

DATA SHEET FOR JOCKEY PUMP SKID (Y-287021)

Owner Doc.No.	CMIT-240048-728-ROT-15.17-0014		
Job's Doc. No.	253001D0728ME00D14		
Phase	Detailed Design		
Rev.	А	Page 1 of 2	

Company:	CNOOC IRAQ LIMITED

FQN NEW DEGASSING STATION UPGRADING PROJECT Project:

Unit: FQN DEGASSING STATION Contract No.: CMIT-PRT-10.53-240048

> ROT Discipline:

Liu H.Q. Prepared by:

X:e Long Huang J.D. Checked by:

Approved by:

Α	ISSUED FOR REVIEW	Liu Hanqi	Xie Long	Huang Jingdong	20251011
Rev.	Description	Prepared	Checked	Approved	Date



81 * To be filled and confirmed by the Vendor.

DATA SHEET FOR JOCKEY PUMP SKID (Y-287021)

 Owner Doc.No.
 CMIT-240048-728-ROT-15.17-0014

 Job's Doc. No.
 253001D0728ME00D14

 Phase Detailed Design

 Rev.
 A
 Page 2 of 2

	APPLICABLE TO: PURCHASE	APPLICA	BLE NTL/INTNTL STANDARD:	NFPA20
	FOR CNOOC IRAQ LIMITE	ED	MANUFACTURER	*
_	SITE MISSAN OIL FIELD, MISSAN PRO	OVINCE, IRAQ	TYPE	
4	UNIT FQN DEGASSING STAT	TION	MODEL	*
_	SERVICE JOCKEY PUMP SKII	<u> </u>	NO. STAGES	*
6	ITEM NO. <u>Y-287021</u> NO. REQ	1	SERIAL NO.	*
7	OPERATING DAT	Α	SITE D	ATA
8	CAPACITY (RATED) (m ³ /h)	18	NOISE	MAX 85 dB(A) @ 1m
9	DIFFERENTIAL (RATED) HEAD (m)	105	AMBIENT TEMP. RANGE (°C)	-5~55
10	DIFFERENTIAL PRESSURE (MPa)	1.05	LOCATION	OUTDOOR / SHELTERED
11	OPERATING TEMPERATURE (°C)	20~40	ELEVATION (m ASL)	4~24
	PUMPED LIQUID	FIRE WATER	RELATIVE HUMIDITY (%)	25~80
	DENSITY @ NORMAL P/T (40°C) (kg/m ³)	992.5	DESIGN	
_	VISCOSITY @ NORMAL P/T (40°C) (Cp)	0.6527	DESIGN CODE	NFPA 20 Edition 2025
_	0 ,	7.4	SPECIFICATION	CMIT-710-ROT-15.03-10021
	AVAILABLE NPSH (m)	7	CAPACITY (MAX/MIN) (m ³ /h)	* / *
17	DRIVER DATA		DIFFERENTIAL (MAX/MIN) HEAD (m)	* / *
_	DRIVER TYPE	MOTOR	DESIGN PRESSURE (MPa)	1.6
_	MOTOR TYPE	*	DESIGN TEMPERATURE (°C)	60
	ELECTRICAL AREA CLASSIFICATION	NON-HAZARDOUS	PUMP QTY (Per Set)	2
_	MANUFACTURER	*	BUFFER TANK EFFECTIVE VOLUME	
-	POWER (each) (kW)		(m²)	
	ENCLOSURE	IP55	BUFFER TANK DESIGN	* / *
	MOTOR COLTAGE (V)	400 *	PRESSURE/TEMP. (MPa/°C)	
	MOTOR SPEED (rpm)		SERVICE LIFE (YEARS)	25
		B =	NATURE OF LIQUID	CI ⁻
27	INSULATION CLASS	F	(CORROSIVE/EROSIVE) DUE TO:	5.450
_		AIR *	SALINITY (ppm)	5,150
_	. ,	*	CHLORIDE (ppm)	8,280
31	FAN POWER (kW)	STRUC	TURE	
	PRESSURE (BUFFER) TANK TYPE	VERTICAL	JOCKEY PUMP TYPE	CENTRIFUGAL (VERTICAL)
_	TANK'S INSIDE SHELL DIAMETER (mm)	800	LUBRICATION TYPE	CENTRIFUGAL (VERTICAL)
34	TANK S INSIDE STILLE DIAMETER (IIIII)	300	SEAL TYPE	MECHANICAL SEAL
_	TANKS NUMBER (Per Set)	1	SEAL TITE	ELASTIC FIXING OR BRACHY AXIS
_	EQUIPPED SUPPLY PUMP (QTY)	2 (1 WORK + 1 STANDBY)	CONNECTION OF BEARING	CONNECTING
_	, ,	FLANGE (RF), DN80 *	PRESSURE SENSING LINE	331112311113
	DISCHARGE CONNECTING PATTERNS	FLANGE (RF), DN65	CONNECTION	Comply with NFPA20-4.32.3 *
39	BIOGRANGE GONNEGTING FATTERING	CONSTRUCTION		
	PUMP BODY	ASTM CLASS 35/40B	SHAFT	AISI 316
41	CASING	AISI 316L	SHAFT SLEEVE	*
_	IMPELLER(S)	AISI 304		
43	PRESSURE (BUFFER) TANK	CARBON STEEL (ASTM A36)	PACKING	*
$\overline{}$		WEIG	GHT	
44		*	DRIVER (kg)	*
	PUMP (kg)	Į.		*
45	PUMP (kg) BUFFER TANK (kg)	*	OTHERS (kg)	•
45 46 47	:		OTHERS (kg)	•
	BUFFER TANK (kg) TOTAL(kg)	*		•
45 46 47 48 49	BUFFER TANK (kg) TOTAL(kg) DOMESTIC / EXPORT	*	MENT OUTDOOR STORAGE MORE THAN 12	
45 46 47 48 49 50	BUFFER TANK (kg) TOTAL(kg)	* * SHIPN	MENT	YES
45 46 47 48 49 50	BUFFER TANK (kg) TOTAL(kg) DOMESTIC / EXPORT EXPORT BOXING REQUIRED	* * * SHIPM EXPORT	MENT OUTDOOR STORAGE MORE THAN 12	
45 46 47 48 49 50 51	BUFFER TANK (kg) TOTAL(kg) DOMESTIC / EXPORT EXPORT BOXING REQUIRED NOTES:	* * SHIPM EXPORT YES	MENT OUTDOOR STORAGE MORE THAN 12 MONTHS	YES
45 46 47 48 49 50 51 52 53	BUFFER TANK (kg) TOTAL(kg) DOMESTIC / EXPORT EXPORT BOXING REQUIRED NOTES: 1. The Pump Skid shall be supplied with the Jock	* * SHIPM EXPORT YES tey Pumps, Pressure Tank, Contr	MENT OUTDOOR STORAGE MORE THAN 12 MONTHS Coller, Pressure Meter, Pressure Sensing L	YES ine, Check Valve, etc.
45 46 47 48 49 50 51 52 53 54	BUFFER TANK (kg) TOTAL(kg) DOMESTIC / EXPORT EXPORT BOXING REQUIRED NOTES: 1. The Pump Skid shall be supplied with the Jock For details of the Pump Skid's Scope of Supply	* * SHIPM EXPORT YES tey Pumps, Pressure Tank, Control y and Battery Limit, please revert	MENT OUTDOOR STORAGE MORE THAN 12 MONTHS Toller, Pressure Meter, Pressure Sensing L to PID (CMIT-240048-728-FFS-15.11-010	YES ine, Check Valve, etc. 3).
45 46 47 48 49 50 51 52 53 54 55	BUFFER TANK (kg) TOTAL(kg) DOMESTIC / EXPORT EXPORT BOXING REQUIRED NOTES: 1. The Pump Skid shall be supplied with the Jock For details of the Pump Skid's Scope of Supply 2. The Jockey Pump Controller must be UL-Lister	* * SHIPM EXPORT YES tey Pumps, Pressure Tank, Control y and Battery Limit, please revert d and the Sensing Line must be i	MENT OUTDOOR STORAGE MORE THAN 12 MONTHS Toller, Pressure Meter, Pressure Sensing L to PID (CMIT-240048-728-FFS-15.11-010 ndependent of the Main Pump Controller S	YES ine, Check Valve, etc. 3).
45 46 47 48 49 50 51 52 53 54 55 56	BUFFER TANK (kg) TOTAL(kg) DOMESTIC / EXPORT EXPORT BOXING REQUIRED NOTES: 1. The Pump Skid shall be supplied with the Jock For details of the Pump Skid's Scope of Supply 2. The Jockey Pump Controller must be UL-Lister The Controller must be sized for the Jockey Pu	* * SHIPM EXPORT YES tey Pumps, Pressure Tank, Contr y and Battery Limit, please revert d and the Sensing Line must be i ump Motor's Horsepower and Vol	MENT OUTDOOR STORAGE MORE THAN 12 MONTHS Toller, Pressure Meter, Pressure Sensing L to PID (CMIT-240048-728-FFS-15.11-010 ndependent of the Main Pump Controller Stage.	YES ine, Check Valve, etc. 3). Sensing Line.
45 46 47 48 49 50 51 52 53 54 55 56 57	BUFFER TANK (kg) TOTAL(kg) DOMESTIC / EXPORT EXPORT BOXING REQUIRED NOTES: 1. The Pump Skid shall be supplied with the Jock For details of the Pump Skid's Scope of Supply 2. The Jockey Pump Controller must be UL-Lister The Controller must be sized for the Jockey Pu 3. All Pump Nozzles shall be WNRF ASME B 16.	* * SHIPM EXPORT YES Tey Pumps, Pressure Tank, Control y and Battery Limit, please revert d and the Sensing Line must be in ump Motor's Horsepower and Vol 5 designed and equipped with its	OUTDOOR STORAGE MORE THAN 12 MONTHS Toller, Pressure Meter, Pressure Sensing L to PID (CMIT-240048-728-FFS-15.11-010 Independent of the Main Pump Controller Stage. Companion Flange and Accessories (Bolt	YES ine, Check Valve, etc. 3). Sensing Line. s, Nuts, Gaskets, etc.).
45 46 47 48 49 50 51 52 53 54 55 56 57	BUFFER TANK (kg) TOTAL(kg) DOMESTIC / EXPORT EXPORT BOXING REQUIRED NOTES: 1. The Pump Skid shall be supplied with the Jock For details of the Pump Skid's Scope of Supply 2. The Jockey Pump Controller must be UL-Lister The Controller must be sized for the Jockey Pu 3. All Pump Nozzles shall be WNRF ASME B 16. 4. The Pump's Acceptance Tests (including Field	* * SHIPM EXPORT YES tey Pumps, Pressure Tank, Control y and Battery Limit, please revert d and the Sensing Line must be is ump Motor's Horsepower and Vol 5 designed and equipped with its I Test) shall be as per NFPA 20 (6)	MENT OUTDOOR STORAGE MORE THAN 12 MONTHS Toller, Pressure Meter, Pressure Sensing L to PID (CMIT-240048-728-FFS-15.11-010 Independent of the Main Pump Controller Stage. Companion Flange and Accessories (Boll Chapter 14). Only missing parts shall be be	YES ine, Check Valve, etc. 3). Sensing Line. s, Nuts, Gaskets, etc.).
45 46 47 48 49 50 51 52 53 54 55 56 57 58	BUFFER TANK (kg) TOTAL(kg) DOMESTIC / EXPORT EXPORT BOXING REQUIRED NOTES: 1. The Pump Skid shall be supplied with the Jock For details of the Pump Skid's Scope of Supply 2. The Jockey Pump Controller must be UL-Liste. The Controller must be sized for the Jockey Pu 3. All Pump Nozzles shall be WNRF ASME B 16. 4. The Pump's Acceptance Tests (including Field 5. The Vendor shall provide Material Test Certifice	* * SHIPM EXPORT YES Tey Pumps, Pressure Tank, Contrest of the Sensing Line must be in the summer of the sum	OUTDOOR STORAGE MORE THAN 12 MONTHS roller, Pressure Meter, Pressure Sensing L to PID (CMIT-240048-728-FFS-15.11-010 independent of the Main Pump Controller Stage. Companion Flange and Accessories (Boli Chapter 14). Only missing parts shall be busure Components, Impellers, and Shaft.	YES ine, Check Valve, etc. 3). Gensing Line. is, Nuts, Gaskets, etc.). ased on ISO5199.
45 46 47 48 49 50 51 52 53 54 55 56 57 58 59	BUFFER TANK (kg) TOTAL(kg) DOMESTIC / EXPORT EXPORT BOXING REQUIRED NOTES: 1. The Pump Skid shall be supplied with the Jock For details of the Pump Skid's Scope of Supply 2. The Jockey Pump Controller must be UL-Liste The Controller must be sized for the Jockey Pu 3. All Pump Nozzles shall be WNRF ASME B 16. 4. The Pump's Acceptance Tests (including Field 5. The Vendor shall provide Material Test Certifice 6. Pump, motor, local starter, control panel and o	* * SHIPM EXPORT YES tey Pumps, Pressure Tank, Contr y and Battery Limit, please revert d and the Sensing Line must be i ump Motor's Horsepower and Vol 5 designed and equipped with its Test) shall be as per NFPA 20 (t ates (MTCs) for the Pump's Pres ther associated auxiliaries house	MENT OUTDOOR STORAGE MORE THAN 12 MONTHS roller, Pressure Meter, Pressure Sensing L to PID (CMIT-240048-728-FFS-15.11-010 ndependent of the Main Pump Controller S tage. Companion Flange and Accessories (Bolt Chapter 14). Only missing parts shall be b sure Components, Impellers, and Shaft. d in control panel shall be mounted on cor	YES ine, Check Valve, etc. 3). Gensing Line. is, Nuts, Gaskets, etc.). ased on ISO5199.
45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61	BUFFER TANK (kg) TOTAL(kg) DOMESTIC / EXPORT EXPORT BOXING REQUIRED NOTES: 1. The Pump Skid shall be supplied with the Jock For details of the Pump Skid's Scope of Supply 2. The Jockey Pump Controller must be UL-Liste The Controller must be sized for the Jockey Pu 3. All Pump Nozzles shall be WNRF ASME B 16. 4. The Pump's Acceptance Tests (including Field 5. The Vendor shall provide Material Test Certific 6. Pump, motor, local starter, control panel and o 7. All necessary Power/Control Panels, Instrumer	* * SHIPM EXPORT YES tey Pumps, Pressure Tank, Contr y and Battery Limit, please revert d and the Sensing Line must be i ump Motor's Horsepower and Vol 5 designed and equipped with its I Test) shall be as per NFPA 20 (ates (MTCs) for the Pump's Pres ther associated auxiliaries house nts, Cabling, and Junction Boxes	MENT OUTDOOR STORAGE MORE THAN 12 MONTHS Toller, Pressure Meter, Pressure Sensing L to PID (CMIT-240048-728-FFS-15.11-010 mdependent of the Main Pump Controller S tage. Companion Flange and Accessories (Bolt Chapter 14). Only missing parts shall be be sure Components, Impellers, and Shaft. d in control panel shall be mounted on cor shall be supplied by the Vendor.	YES ine, Check Valve, etc. 3). Gensing Line. is, Nuts, Gaskets, etc.). ased on ISO5199.
45 46 47 48 49 50 51 52 53 54 55 56 57 58 60 61 62	BUFFER TANK (kg) TOTAL(kg) DOMESTIC / EXPORT EXPORT BOXING REQUIRED NOTES: 1. The Pump Skid shall be supplied with the Jock For details of the Pump Skid's Scope of Supply 2. The Jockey Pump Controller must be UL-Lister The Controller must be sized for the Jockey Pu 3. All Pump Nozzles shall be WNRF ASME B 16. 4. The Pump's Acceptance Tests (including Field 5. The Vendor shall provide Material Test Certific 6. Pump, motor, local starter, control panel and o 7. All necessary Power/Control Panels, Instrumer All Electrical Components, Clearances, and W	* * SHIPM EXPORT YES tey Pumps, Pressure Tank, Contr y and Battery Limit, please revert d and the Sensing Line must be i ump Motor's Horsepower and Vol 5 designed and equipped with Its I Test) shall be as per NFPA 20 (t ates (MTCs) for the Pump's Pres ther associated auxiliaries house hts, Cabling, and Junction Boxes //iring shall meet the NFPA 70 rec	MENT OUTDOOR STORAGE MORE THAN 12 MONTHS roller, Pressure Meter, Pressure Sensing L to PID (CMIT-240048-728-FFS-15.11-010 ndependent of the Main Pump Controller S tage. Companion Flange and Accessories (Bolt Chapter 14). Only missing parts shall be bisure Components, Impellers, and Shaft. d in control panel shall be mounted on cor shall be supplied by the Vendor. quirements.	YES ine, Check Valve, etc. 3). Sensing Line. is, Nuts, Gaskets, etc.). ased on ISO5199. nmon base plate.
45 46 47 48 49 50 51 52 53 54 55 56 57 58 60 61 62 63	BUFFER TANK (kg) TOTAL(kg) DOMESTIC / EXPORT EXPORT BOXING REQUIRED NOTES: 1. The Pump Skid shall be supplied with the Jock For details of the Pump Skid's Scope of Supply 2. The Jockey Pump Controller must be UL-Liste The Controller must be sized for the Jockey Pu 3. All Pump Nozzles shall be WNRF ASME B 16. 4. The Pump's Acceptance Tests (including Field 5. The Vendor shall provide Material Test Certific 6. Pump, motor, local starter, control panel and o 7. All necessary Power/Control Panels, Instrumer All Electrical Components, Clearances, and W 8. The Pump's Total Discharge Pressure at Shutc	* * SHIPM EXPORT YES tey Pumps, Pressure Tank, Contry and Battery Limit, please revert d and the Sensing Line must be i ump Motor's Horsepower and Vol 5 designed and equipped with Its I Test) shall be as per NFPA 20 (tates (MTCs) for the Pump's Prest ther associated auxiliaries house the, Cabling, and Junction Boxes //iring shall meet the NFPA 70 recoff condition shall not exceed the	OUTDOOR STORAGE MORE THAN 12 MONTHS roller, Pressure Meter, Pressure Sensing L to PID (CMIT-240048-728-FFS-15.11-010 mdependent of the Main Pump Controller Stage. c Companion Flange and Accessories (Bolt Chapter 14). Only missing parts shall be busure Components, Impellers, and Shaft. d in control panel shall be mounted on corshall be supplied by the Vendor. quirements. downstream Fire Protection System's Rat	YES ine, Check Valve, etc. 3). Sensing Line. is, Nuts, Gaskets, etc.). ased on ISO5199. inmon base plate.
45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64	BUFFER TANK (kg) TOTAL(kg) DOMESTIC / EXPORT EXPORT BOXING REQUIRED NOTES: 1. The Pump Skid shall be supplied with the Jock For details of the Pump Skid's Scope of Supply 2. The Jockey Pump Controller must be UL-Lister The Controller must be sized for the Jockey Pt. 3. All Pump Nozzles shall be WNRF ASME B 16. 4. The Pump's Acceptance Tests (including Field 5. The Vendor shall provide Material Test Certific 6. Pump, motor, local starter, control panel and o 7. All necessary Power/Control Panels, Instrumer All Electrical Components, Clearances, and W 8. The Pump's Total Discharge Pressure at Shutc otherwise, a Relief Valve sized to prevent the S	* * SHIPM EXPORT YES Tyes Tye	OUTDOOR STORAGE MORE THAN 12 MONTHS roller, Pressure Meter, Pressure Sensing L to PID (CMIT-240048-728-FFS-15.11-010 ndependent of the Main Pump Controller Stage. Companion Flange and Accessories (Bolt Chapter 14). Only missing parts shall be be sure Components, Impellers, and Shaft. d in control panel shall be mounted on corshall be supplied by the Vendor. quirements. downstream Fire Protection System's Rat supplied by the Vendor as part of the Skid	YES ine, Check Valve, etc. 3). Sensing Line. its, Nuts, Gaskets, etc.). ased on ISO5199. inmon base plate. ing Pressure; I Package.
45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64	BUFFER TANK (kg) TOTAL(kg) DOMESTIC / EXPORT EXPORT BOXING REQUIRED NOTES: 1. The Pump Skid shall be supplied with the Jock For details of the Pump Skid's Scope of Supply 2. The Jockey Pump Controller must be UL-Liste The Controller must be sized for the Jockey Pu 3. All Pump Nozzles shall be WNRF ASME B 16. 4. The Pump's Acceptance Tests (including Field 5. The Vendor shall provide Material Test Certific 6. Pump, motor, local starter, control panel and o 7. All necessary Power/Control Panels, Instrumer All Electrical Components, Clearances, and W 8. The Pump's Total Discharge Pressure at Shutc	* * SHIPM EXPORT YES Tyes Tye	OUTDOOR STORAGE MORE THAN 12 MONTHS roller, Pressure Meter, Pressure Sensing L to PID (CMIT-240048-728-FFS-15.11-010 mdependent of the Main Pump Controller Stage. c Companion Flange and Accessories (Bolt Chapter 14). Only missing parts shall be busure Components, Impellers, and Shaft. d in control panel shall be mounted on corshall be supplied by the Vendor. quirements. downstream Fire Protection System's Rat	YES ine, Check Valve, etc. 3). Sensing Line. its, Nuts, Gaskets, etc.). ased on ISO5199. inmon base plate. ing Pressure; I Package.
45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66	BUFFER TANK (kg) TOTAL(kg) DOMESTIC / EXPORT EXPORT BOXING REQUIRED NOTES: 1. The Pump Skid shall be supplied with the Jock For details of the Pump Skid's Scope of Supply 2. The Jockey Pump Controller must be UL-Lister The Controller must be sized for the Jockey Pt. 3. All Pump Nozzles shall be WNRF ASME B 16. 4. The Pump's Acceptance Tests (including Field 5. The Vendor shall provide Material Test Certific 6. Pump, motor, local starter, control panel and o 7. All necessary Power/Control Panels, Instrumer All Electrical Components, Clearances, and W 8. The Pump's Total Discharge Pressure at Shute otherwise, a Relief Valve sized to prevent the S INSPECTION AND TESTIN SHOP TESTS	* * SHIPM EXPORT YES Tey Pumps, Pressure Tank, Contrest of and Battery Limit, please reverted and Hotor's Horsepower and Vol. 5 designed and equipped with tist. Test) shall be as per NFPA 20 (traces (MTCs) for the Pump's Presther associated auxiliaries housents, Cabling, and Junction Boxes //iring shall meet the NFPA 70 recoff condition shall not exceed the System's overpressuring shall be (G (Note 4) REQ'D WITNESS	OUTDOOR STORAGE MORE THAN 12 MONTHS roller, Pressure Meter, Pressure Sensing L to PID (CMIT-240048-728-FFS-15.11-010 ndependent of the Main Pump Controller Stage. Companion Flange and Accessories (Bolt Chapter 14). Only missing parts shall be be sure Components, Impellers, and Shaft. d in control panel shall be mounted on corshall be supplied by the Vendor. quirements. downstream Fire Protection System's Rat supplied by the Vendor as part of the Skid	YES ine, Check Valve, etc. 3). Sensing Line. its, Nuts, Gaskets, etc.). ased on ISO5199. inmon base plate. ing Pressure; I Package.
45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66	BUFFER TANK (kg) TOTAL(kg) DOMESTIC / EXPORT EXPORT BOXING REQUIRED NOTES: 1. The Pump Skid shall be supplied with the Jock For details of the Pump Skid's Scope of Supply 2. The Jockey Pump Controller must be UL-Lister The Controller must be sized for the Jockey Pt 3. All Pump Nozzles shall be WNRF ASME B 16. 4. The Pump's Acceptance Tests (including Field 5. The Vendor shall provide Material Test Certific 6. Pump, motor, local starter, control panel and o 7. All necessary Power/Control Panels, Instrumer All Electrical Components, Clearances, and W 8. The Pump's Total Discharge Pressure at Shute otherwise, a Relief Valve sized to prevent the S INSPECTION AND TESTIN	* * SHIPM EXPORT YES Tyes Tye	OUTDOOR STORAGE MORE THAN 12 MONTHS roller, Pressure Meter, Pressure Sensing L to PID (CMIT-240048-728-FFS-15.11-010 ndependent of the Main Pump Controller Stage. Companion Flange and Accessories (Bolt Chapter 14). Only missing parts shall be be sure Components, Impellers, and Shaft. d in control panel shall be mounted on corshall be supplied by the Vendor. quirements. downstream Fire Protection System's Rat supplied by the Vendor as part of the Skid	YES ine, Check Valve, etc. 3). Sensing Line. its, Nuts, Gaskets, etc.). ased on ISO5199. inmon base plate. ing Pressure; I Package.
45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68	BUFFER TANK (kg) TOTAL(kg) DOMESTIC / EXPORT EXPORT BOXING REQUIRED NOTES: 1. The Pump Skid shall be supplied with the Jock For details of the Pump Skid's Scope of Supply 2. The Jockey Pump Controller must be UL-Lister The Controller must be sized for the Jockey Pu 3. All Pump Nozzles shall be WNRF ASME B 16. 4. The Pump's Acceptance Tests (including Field 5. The Vendor shall provide Material Test Certific 6. Pump, motor, local starter, control panel and or 7. All necessary Power/Control Panels, Instrumer All Electrical Components, Clearances, and W 8. The Pump's Total Discharge Pressure at Shute otherwise, a Relief Valve sized to prevent the S INSPECTION AND TESTIN SHOP TESTS PERFORMANCE (COMPLETE UNIT) SHOP	* * SHIPM EXPORT YES Tey Pumps, Pressure Tank, Contrest of and Battery Limit, please reverted and Hotor's Horsepower and Vol. 5 designed and equipped with tist. Test) shall be as per NFPA 20 (traces (MTCs) for the Pump's Presther associated auxiliaries housents, Cabling, and Junction Boxes //iring shall meet the NFPA 70 recoff condition shall not exceed the System's overpressuring shall be (G (Note 4) REQ'D WITNESS	OUTDOOR STORAGE MORE THAN 12 MONTHS roller, Pressure Meter, Pressure Sensing L to PID (CMIT-240048-728-FFS-15.11-010 ndependent of the Main Pump Controller Stage. Companion Flange and Accessories (Bolt Chapter 14). Only missing parts shall be be sure Components, Impellers, and Shaft. d in control panel shall be mounted on corshall be supplied by the Vendor. quirements. downstream Fire Protection System's Rat supplied by the Vendor as part of the Skid	YES ine, Check Valve, etc. 3). Sensing Line. is, Nuts, Gaskets, etc.). ased on ISO5199. inmon base plate. ing Pressure; I Package. NAPSHOT
45 46 47 48 49 50 51 52 53 54 55 56 57 58 60 61 62 63 64 65 66 67 68 69	BUFFER TANK (kg) TOTAL(kg) DOMESTIC / EXPORT EXPORT BOXING REQUIRED NOTES: 1. The Pump Skid shall be supplied with the Jock For details of the Pump Skid's Scope of Supply 2. The Jockey Pump Controller must be UL-Lister The Controller must be sized for the Jockey Pump Stid's Scope of Supply 3. All Pump Nozzles shall be WNRF ASME B 16. The Pump's Acceptance Tests (including Field 5. The Vendor shall provide Material Test Certific 6. Pump, motor, local starter, control panel and or 7. All necessary Power/Control Panels, Instrumer All Electrical Components, Clearances, and W. 8. The Pump's Total Discharge Pressure at Shutch the Pump's Relief Valve sized to prevent the Sinspection and Testin SHOP TESTS PERFORMANCE (COMPLETE UNIT) SHOP AND AT SITE	* * SHIPM EXPORT YES Tey Pumps, Pressure Tank, Contry y and Battery Limit, please revert d and the Sensing Line must be i ump Motor's Horsepower and Vol 5 designed and equipped with its Test) shall be as per NFPA 20 (i attes (MTCs) for the Pump's Pres ther associated auxiliaries house nts, Cabling, and Junction Boxes //iring shall meet the NFPA 70 rec off condition shall not exceed the System's overpressuring shall be G (Note 4) REQ'D WITNESS YES YES	OUTDOOR STORAGE MORE THAN 12 MONTHS roller, Pressure Meter, Pressure Sensing L to PID (CMIT-240048-728-FFS-15.11-010 ndependent of the Main Pump Controller Stage. Companion Flange and Accessories (Bolt Chapter 14). Only missing parts shall be be sure Components, Impellers, and Shaft. d in control panel shall be mounted on corshall be supplied by the Vendor. quirements. downstream Fire Protection System's Rat supplied by the Vendor as part of the Skid	YES ine, Check Valve, etc. 3). Sensing Line. its, Nuts, Gaskets, etc.). ased on ISO5199. inmon base plate. ing Pressure; I Package.
45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68	BUFFER TANK (kg) TOTAL(kg) DOMESTIC / EXPORT EXPORT BOXING REQUIRED NOTES: 1. The Pump Skid shall be supplied with the Jock For details of the Pump Skid's Scope of Supply 2. The Jockey Pump Controller must be UL-Lister The Controller must be sized for the Jockey Pump 3. All Pump Nozzles shall be WNRF ASME B 16. The Pump's Acceptance Tests (including Field 5. The Vendor shall provide Material Test Certific 6. Pump, motor, local starter, control panel and or 7. All necessary Power/Control Panels, Instrumer All Electrical Components, Clearances, and W. 8. The Pump's Total Discharge Pressure at Shutch the Substitution of the Substitution	* * * * * * * * * * * * *	OUTDOOR STORAGE MORE THAN 12 MONTHS roller, Pressure Meter, Pressure Sensing L to PID (CMIT-240048-728-FFS-15.11-010 ndependent of the Main Pump Controller Stage. Companion Flange and Accessories (Bolt Chapter 14). Only missing parts shall be be sure Components, Impellers, and Shaft. d in control panel shall be mounted on corshall be supplied by the Vendor. quirements. downstream Fire Protection System's Rat supplied by the Vendor as part of the Skid	YES ine, Check Valve, etc. 3). Sensing Line. is, Nuts, Gaskets, etc.). ased on ISO5199. inmon base plate. ing Pressure; I Package. NAPSHOT
45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70	BUFFER TANK (kg) TOTAL(kg) DOMESTIC / EXPORT EXPORT BOXING REQUIRED NOTES: 1. The Pump Skid shall be supplied with the Jock For details of the Pump Skid's Scope of Supply 2. The Jockey Pump Controller must be UL-Lister The Controller must be sized for the Jockey Pump Controller must be Sized for the Jockey Pump 3. All Pump Nozzles shall be WNRF ASME B 16. 4. The Pump's Acceptance Tests (including Field 5. The Vendor shall provide Material Test Certific 6. Pump, motor, local starter, control panel and or 7. All necessary Power/Control Panels, Instrumer All Electrical Components, Clearances, and W 8. The Pump's Total Discharge Pressure at Shuts otherwise, a Relief Valve sized to prevent the SINSPECTION AND TESTIN SHOP TESTS PERFORMANCE (COMPLETE UNIT) SHOP AND AT SITE NPSH HYDROSTATIC	* * SHIPM EXPORT YES Tey Pumps, Pressure Tank, Contrest of the Sensing Line must be in the summer of the sensing Line must be in the sensing Line must be sensing Line must be sensing the sensing Line must be sensing Line must	OUTDOOR STORAGE MORE THAN 12 MONTHS roller, Pressure Meter, Pressure Sensing L to PID (CMIT-240048-728-FFS-15.11-010 ndependent of the Main Pump Controller Stage. Companion Flange and Accessories (Bolt Chapter 14). Only missing parts shall be be sure Components, Impellers, and Shaft. d in control panel shall be mounted on corshall be supplied by the Vendor. quirements. downstream Fire Protection System's Rat supplied by the Vendor as part of the Skid	YES ine, Check Valve, etc. 3). Sensing Line. is, Nuts, Gaskets, etc.). ased on ISO5199. inmon base plate. ing Pressure; I Package. NAPSHOT
45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71	BUFFER TANK (kg) TOTAL(kg) DOMESTIC / EXPORT EXPORT BOXING REQUIRED NOTES: 1. The Pump Skid shall be supplied with the Jock For details of the Pump Skid's Scope of Supply 2. The Jockey Pump Controller must be UL-Lister The Controller must be sized for the Jockey Pustage 1. All Pump Nozzles shall be WNRF ASME B 16. 4. The Pump's Acceptance Tests (including Field 5. The Vendor shall provide Material Test Certifica 6. Pump, motor, local starter, control panel and or 7. All necessary Power/Control Panels, Instrumer All Electrical Components, Clearances, and W 8. The Pump's Total Discharge Pressure at Shutcotherwise, a Relief Valve sized to prevent the SINSPECTION AND TESTIN SHOP TESTS PERFORMANCE (COMPLETE UNIT) SHOP AND AT SITE NPSH HYDROSTATIC PUMP SPEED DURING PERFORMANCE	* * * * * * * * * * * * *	OUTDOOR STORAGE MORE THAN 12 MONTHS roller, Pressure Meter, Pressure Sensing L to PID (CMIT-240048-728-FFS-15.11-010 ndependent of the Main Pump Controller Stage. Companion Flange and Accessories (Bolt Chapter 14). Only missing parts shall be be sure Components, Impellers, and Shaft. d in control panel shall be mounted on corshall be supplied by the Vendor. quirements. downstream Fire Protection System's Rat supplied by the Vendor as part of the Skid	YES ine, Check Valve, etc. 3). Sensing Line. is, Nuts, Gaskets, etc.). ased on ISO5199. inmon base plate. ing Pressure; I Package. NAPSHOT
45 46 47 48 49 50 51 52 53 54 55 56 57 58 60 61 62 63 64 65 66 67 68 69 70 71 72	BUFFER TANK (kg) TOTAL(kg) DOMESTIC / EXPORT EXPORT BOXING REQUIRED NOTES: 1. The Pump Skid shall be supplied with the Jock For details of the Pump Skid's Scope of Supply 2. The Jockey Pump Controller must be UL-Liste The Controller must be sized for the Jockey Pu 3. All Pump Nozzles shall be WNRF ASME B 16. 4. The Pump's Acceptance Tests (including Field 5. The Vendor shall provide Material Test Certific 6. Pump, motor, local starter, control panel and o 7. All necessary Power/Control Panels, Instrumer All Electrical Components, Clearances, and W 8. The Pump's Total Discharge Pressure at Shute otherwise, a Relief Valve sized to prevent the S INSPECTION AND TESTIN SHOP TESTS PERFORMANCE (COMPLETE UNIT) SHOP AND AT SITE NPSH HYDROSTATIC PUMP SPEED DURING PERFORMANCE TEST	* * * * * * * * * * * * *	OUTDOOR STORAGE MORE THAN 12 MONTHS roller, Pressure Meter, Pressure Sensing L to PID (CMIT-240048-728-FFS-15.11-010 ndependent of the Main Pump Controller Stage. Companion Flange and Accessories (Bolt Chapter 14). Only missing parts shall be be sure Components, Impellers, and Shaft. d in control panel shall be mounted on corshall be supplied by the Vendor. quirements. downstream Fire Protection System's Rat supplied by the Vendor as part of the Skid	YES ine, Check Valve, etc. 3). Sensing Line. is, Nuts, Gaskets, etc.). ased on ISO5199. inmon base plate. ing Pressure; I Package. NAPSHOT
45 46 47 48 49 50 51 52 53 54 55 56 60 61 62 63 64 65 66 67 71 72 73	BUFFER TANK (kg) TOTAL(kg) DOMESTIC / EXPORT EXPORT BOXING REQUIRED NOTES: 1. The Pump Skid shall be supplied with the Jock For details of the Pump Skid's Scope of Supply 2. The Jockey Pump Controller must be UL-Lister The Controller must be sized for the Jockey Pt 3. All Pump Nozzles shall be WNRF ASME B 16. 4. The Pump's Acceptance Tests (including Field 5. The Vendor shall provide Material Test Certifice 6. Pump, motor, local starter, control panel and o 7. All necessary Power/Control Panels, Instrumer All Electrical Components, Clearances, and W 8. The Pump's Total Discharge Pressure at Shute otherwise, a Relief Valve sized to prevent the S INSPECTION AND TESTIN SHOP TESTS PERFORMANCE (COMPLETE UNIT) SHOP AND AT SITE NPSH HYDROSTATIC PUMP SPEED DURING PERFORMANCE TEST SOUND LEVELS	* * * * * * * * * * * * *	OUTDOOR STORAGE MORE THAN 12 MONTHS roller, Pressure Meter, Pressure Sensing L to PID (CMIT-240048-728-FFS-15.11-010 ndependent of the Main Pump Controller Stage. Companion Flange and Accessories (Bolt Chapter 14). Only missing parts shall be be sure Components, Impellers, and Shaft. d in control panel shall be mounted on corshall be supplied by the Vendor. quirements. downstream Fire Protection System's Rat supplied by the Vendor as part of the Skid	YES ine, Check Valve, etc. 3). Sensing Line. is, Nuts, Gaskets, etc.). ased on ISO5199. inmon base plate. ing Pressure; I Package. NAPSHOT
45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76	BUFFER TANK (kg) TOTAL(kg) DOMESTIC / EXPORT EXPORT BOXING REQUIRED NOTES: 1. The Pump Skid shall be supplied with the Jock For details of the Pump Skid's Scope of Supply 2. The Jockey Pump Controller must be UL-Lister The Controller must be sized for the Jockey Pustage 1. All Pump Nozzles shall be WNRF ASME B 16. 4. The Pump's Acceptance Tests (including Field 5. The Vendor shall provide Material Test Certifice 6. Pump, motor, local starter, control panel and or 7. All necessary Power/Control Panels, Instrumer All Electrical Components, Clearances, and W. 8. The Pump's Total Discharge Pressure at Shuttotherwise, a Relief Valve sized to prevent the SINSPECTION AND TESTIN SHOP TESTS PERFORMANCE (COMPLETE UNIT) SHOP AND AT SITE NPSH HYDROSTATIC PUMP SPEED DURING PERFORMANCE TEST SOUND LEVELS MECHANICAL RUN	* * * * * * * * * * * * *	OUTDOOR STORAGE MORE THAN 12 MONTHS roller, Pressure Meter, Pressure Sensing L to PID (CMIT-240048-728-FFS-15.11-010 ndependent of the Main Pump Controller Stage. Companion Flange and Accessories (Bolt Chapter 14). Only missing parts shall be be sure Components, Impellers, and Shaft. d in control panel shall be mounted on corshall be supplied by the Vendor. quirements. downstream Fire Protection System's Rat supplied by the Vendor as part of the Skid	YES ine, Check Valve, etc. 3). Sensing Line. is, Nuts, Gaskets, etc.). ased on ISO5199. inmon base plate. ing Pressure; I Package. NAPSHOT
45 46 47 48 49 50 51 55 55 56 57 58 59 60 61 62 63 64 65 66 67 70 71 72 73 74 75 76 77	BUFFER TANK (kg) TOTAL(kg) DOMESTIC / EXPORT EXPORT BOXING REQUIRED NOTES: 1. The Pump Skid shall be supplied with the Jock For details of the Pump Skid's Scope of Supply 2. The Jockey Pump Controller must be UL-Lister The Controller must be sized for the Jockey Pump 3. All Pump Nozzles shall be WNRF ASME B 16. 4. The Pump's Acceptance Tests (including Field 5. The Vendor shall provide Material Test Certific 6. Pump, motor, local starter, control panel and or 7. All necessary Power/Control Panels, Instrumer All Electrical Components, Clearances, and W. 8. The Pump's Total Discharge Pressure at Shutt otherwise, a Relief Valve sized to prevent the SINSPECTION AND TESTIN SHOP TESTS PERFORMANCE (COMPLETE UNIT) SHOP AND AT SITE NPSH HYDROSTATIC PUMP SPEED DURING PERFORMANCE TEST SOUND LEVELS MECHANICAL RUN BALANCING (STATIC / ROTATING)	* * * * * * * * * * * * *	OUTDOOR STORAGE MORE THAN 12 MONTHS roller, Pressure Meter, Pressure Sensing L to PID (CMIT-240048-728-FFS-15.11-010 ndependent of the Main Pump Controller Stage. Companion Flange and Accessories (Bolt Chapter 14). Only missing parts shall be be sure Components, Impellers, and Shaft. d in control panel shall be mounted on corshall be supplied by the Vendor. quirements. downstream Fire Protection System's Rat supplied by the Vendor as part of the Skid	YES ine, Check Valve, etc. 3). Sensing Line. is, Nuts, Gaskets, etc.). ased on ISO5199. inmon base plate. ing Pressure; I Package. NAPSHOT
45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 71 72 73 74 75 77 78	BUFFER TANK (kg) TOTAL(kg) DOMESTIC / EXPORT EXPORT BOXING REQUIRED NOTES: 1. The Pump Skid shall be supplied with the Jock For details of the Pump Skid's Scope of Supply 2. The Jockey Pump Controller must be UL-Lister The Controller must be sized for the Jockey Pump 3. All Pump Nozzles shall be WNRF ASME B 16. 4. The Pump's Acceptance Tests (including Field 5. The Vendor shall provide Material Test Certific 6. Pump, motor, local starter, control panel and or 7. All necessary Power/Control Panels, Instrumer All Electrical Components, Clearances, and W. 8. The Pump's Total Discharge Pressure at Shutt otherwise, a Relief Valve sized to prevent the SINSPECTION AND TESTIN SHOP TESTS PERFORMANCE (COMPLETE UNIT) SHOP AND AT SITE NPSH HYDROSTATIC PUMP SPEED DURING PERFORMANCE TEST SOUND LEVELS MECHANICAL RUN BALANCING (STATIC / ROTATING)	* * * * * * * * * * * * *	OUTDOOR STORAGE MORE THAN 12 MONTHS roller, Pressure Meter, Pressure Sensing L to PID (CMIT-240048-728-FFS-15.11-010 ndependent of the Main Pump Controller Stage. Companion Flange and Accessories (Bolt Chapter 14). Only missing parts shall be be sure Components, Impellers, and Shaft. d in control panel shall be mounted on corshall be supplied by the Vendor. quirements. downstream Fire Protection System's Rat supplied by the Vendor as part of the Skid	YES ine, Check Valve, etc. 3). Sensing Line. is, Nuts, Gaskets, etc.). ased on ISO5199. inmon base plate. ing Pressure; I Package. NAPSHOT
45 46 47 48 49 50 51 55 55 56 57 58 59 60 61 62 63 64 65 66 67 70 71 72 73 74 75 76 77	BUFFER TANK (kg) TOTAL(kg) DOMESTIC / EXPORT EXPORT BOXING REQUIRED NOTES: 1. The Pump Skid shall be supplied with the Jock For details of the Pump Skid's Scope of Supply 2. The Jockey Pump Controller must be UL-Lister The Controller must be sized for the Jockey Pump 3. All Pump Nozzles shall be WNRF ASME B 16. 4. The Pump's Acceptance Tests (including Field 5. The Vendor shall provide Material Test Certific 6. Pump, motor, local starter, control panel and or 7. All necessary Power/Control Panels, Instrumer All Electrical Components, Clearances, and W. 8. The Pump's Total Discharge Pressure at Shutt otherwise, a Relief Valve sized to prevent the SINSPECTION AND TESTIN SHOP TESTS PERFORMANCE (COMPLETE UNIT) SHOP AND AT SITE NPSH HYDROSTATIC PUMP SPEED DURING PERFORMANCE TEST SOUND LEVELS MECHANICAL RUN BALANCING (STATIC / ROTATING)	* * * * * * * * * * * * *	OUTDOOR STORAGE MORE THAN 12 MONTHS roller, Pressure Meter, Pressure Sensing L to PID (CMIT-240048-728-FFS-15.11-010 ndependent of the Main Pump Controller Stage. Companion Flange and Accessories (Bolt Chapter 14). Only missing parts shall be be sure Components, Impellers, and Shaft. d in control panel shall be mounted on corshall be supplied by the Vendor. quirements. downstream Fire Protection System's Rat supplied by the Vendor as part of the Skid	YES ine, Check Valve, etc. 3). Sensing Line. is, Nuts, Gaskets, etc.). ased on ISO5199. inmon base plate. ing Pressure; I Package. NAPSHOT