



PetroSA

ELECTRICAL DATA SHEET

LOW VOLTAGE INDUCTION MOTOR

00-15007-**-A003

Doc No	51-KR101-**-A002	Rev	01B
Item No	51KR101-M		
Sheet	1 OF 1	Date	02-Dec-25
Job No	P051.1302		
MFD No	5113002**D258		

GENERAL	Service	LPG COMPRESSOR	Area Classification	ZONE 2	
	Driven Equipment No.	51-KR101			
	Motor Equipment No.	51-KR101-M			
SUPPLY SYSTEM DATA	Voltage	V 525	Arrangement	HOR	X
	No. of phases	3		VERT	
	Frequency	Hz 50			
ELECTRICAL CHARACTERISTICS	Rated Output	Kw	Full Load Speed	RPM	
	Duty Class	S1	Rated Voltage & Range	V 525	±%
	Synchronous Speed	RPM	Full Load Current	A	
	Insulation Class	F	Temperature Rise		
	Temperature Rise	B	Breakdown Characteristics		
	Full Load PF		Design Standard		
	Efficiency	%			
	Locked Rotor Current	A			
MOTOR TYPE	Starting Method	DOL	Degree of Protection	IP	55
	Cooling Method	TEFC	Bearing Type		
	Frame Size		Motor Construction	CAST IRON	
	Method Of Mounting	B3	Coupling Requirement	BELT DRIVEN	
	Direction of rotation viewed from shaft end		Colour of motor	DARK ADMIRALTY GREY G12	
TERMINAL BOX DETAILS	Cable size/type	TBC	Terminal box location viewed from Shaft End		
	Cable Gland Hub size	mm TBC			
	Cable Direction Entry	SIDE ENTRY			
AREA CLASSIFICATION	Equipment Classification		Hazardous Area Certificate no		
	Temperature Class	T2	Testing Authority		
	Gas Group	IIA			
PURCHASING	Supplier		Requisition Number	TBC	
	Manufacturer	WEG	Purchase Order Number	TBC	
	Model Number	W22	Material Master Number	TBC	

NOTES :

- 1) LV motors to be fitted with terminal box one size larger than standard
- 2) Current revisions are noted with this **BOLD**
- 3) Vendor to Assess and complete BLANK SPACES on form
- 4) Motors shall be high-efficiency types, rated at least IE2
- 5) Electrical Equipment installed in South African hazardous locations must have a local Inspection Authority (IA) certificate.

01B	07-May-26	FOR ENQUIRY PER P051.1302	BA				km
01A	27-Jan-26	FOR ENQUIRY PER P051.1302	BA	NvS	EE	JPP	KM
Rev	Date	Description	Originator	Checked	Lead Eng	Proc. Eng	Approved

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