



PetroSA

ELECTRICAL DATA SHEET LOW VOLTAGE INDUCTION MOTOR

00-15007-**-A003

Doc No	51-KR101-**-A002	Rev	01A
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	VERT	
	No. of phases	3					
	Frequency	Hz 50					
ELECTRICAL CHARACTERISTICS	Rated Output	Kw		Full Load Speed	RPM		
	Duty Class	S1		Rated Voltage & Range	V 525	$\pm\%$	
	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	RHS			
	Cable Gland Hub size	mm TBC					
	Cable Direction Entry	SIDE ENTRY					
AREA CLASSIFICATION	Equipment Classification		Hazardous Area Certificate no				
	Temperature Class		Testing Authority				
	Gas Group						
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.

01A	27-Jan-26	FOR ENQUIRY PER P051.1302	BS			J.P.P.	km
Rev	Date	Description	Originator	Checked	Lead Eng	Proc. Eng	Approved

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