DATA SHEET



Frame						:	Customer
Output : 1.5 HP (1.1 kW) Temperature rise :80 K Frequency : 60 Hz Ambient temperature : 20°C Rated voltage : 460 V Altitude : 1000 Rated current : 2.0°Z A Protection degree : IP56 L. R. Amperes : 17.0 A Cooling method : IC41° No load current : 1.10 A Rotation¹ : Both No load current : 1.10 A Rotation¹ : Both No load current : 1.10 A Rotation¹ : Both No load current : 1.10 A Rotation¹ : Both No load current : 1.10 A Rotation¹ : Both Rated torque : 4.49 ft.lb Approx. weight³ : 59.5 Locked roto torque : 290 % Starting method : Direct Breakdown torque : 350 % Insulation class : F Service factor : 1.25 Mount of the class	450	11447450	roduct code :	iency	NEMA Premium Effici		Product line
Design S	t.(S1) C to +40°C 0 m.a.s.l. S 11 - TEFC (CW and CCW) 0 dB(A) ct On Line	: 80 K : Cont.(S1) : -20°C to + : 1000 m.a.: : IP56 : IC411 - TE	ture rise e temperature n degree nethod el² nethod	Temper Duty cy Ambien Altitude Protecti Cooling Mountir Rotation Noise le	ode L) om	Three-Phase Frame : 143/5T Output : 1.5 HP (1.1 kW) Poles : 4 Frequency : 60 Hz Rated voltage : 460 V Rated current : 2.02 A R. Amperes : 17.0 A .RC : 8.4x(Code L) No load current : 1.10 A Rated speed : 1755 rpm Salip : 2.50 % Rated torque : 4.49 ft.lb ocked rotor torque Breakdown torque : 350 % Breakdown torque : 350 % Brevice factor : 1.25	
Efficiency (%) 81.3 82.0 82.5 82.5 85.5 84.0 86.5 84.1 82.1 80.5 82.5 81.0 84.0 84.0 84.1 84.1 Power Factor 0.35 0.41 0.60 0.67 0.70 0.76 0.79 0.82 0.37 0.34 0.63 0.60 0.74 0.70 0.81 0.79 Losses at normative operating points (speed;torque), in percentage of rated output power P1 (0.9;1,0)						: B	Design
Sealing Seal		. 404 !!					
Non drive end Power Factor Pow	i	: 121 lb	on	Max. trac			Efficiency (%)
P1 (0,9;1,0)	1	Max. compression : 181 lb				0.35 0.41 0.60 0.67	Power Factor
Losses (%) P2 (0,5;1,0)			d output power	ntage of ra	eed;torque), in percei	e operating points (sp	Losses at normativ
Losses (%) P3 (0,25;1,0)	14.6						
P4 (0,9;0,5) 8.2 8.2 8.2 8.2 P5 (0,5;0,5) 5.7 5.7 5.7 F6 (0,5;0,25) 4.3 4.3 4.3 4.3 4.3 4.3 P7 (0,25;0,25) 3.2 3	12.1						
P5 (0,5;0,5) 5.7 5.7 5.7 P6 (0,5;0,25) 4.3 4.3 4.3 4.3 P7 (0,25;0,25) 3.2 3.2 3.2 Drive end Non drive end 6204 2RS C3 6	12.2						
P6 (0,5;0,25) 4.3 4.3 4.3 4.3 P7 (0,25;0,25) 3.2 3.2 3.2 Drive end Non drive end Bearing type : 6205 2RS C3 6204 2RS C3 Sealing : Inpro/Seal Inpro/Seal Lubrication interval : Lubricant amount : - Lubricant type : Mobil Polyrex EM Notes: This revision replaces and cancel the previous one, which must be eliminated. These are average values based on tespower supply, subject to the tolerances	8.2						Losses (%)
P7 (0,25;0,25) Bearing type : 6205 2RS C3 Sealing : Inpro/Seal Lubrication interval : - Lubricant type : Mobil Polyrex EM This revision replaces and cancel the previous one, which must be eliminated. P7 (0,25;0,25) 3.2 Non drive end N	5.7						
Bearing type : 6205 2RS C3 6204 2RS C3 Sealing : Inpro/Seal Inpro/Seal Lubrication interval : Lubricant amount : - Mobil Polyrex EM Notes: This revision replaces and cancel the previous one, which must be eliminated. These are average values based on tespower supply, subject to the tolerances	4.3	4.3					
Bearing type : 6205 2RS C3 6204 2RS C3 Sealing : Inpro/Seal Inpro/Seal Lubrication interval : Lubricant amount : - Mobil Polyrex EM Notes: This revision replaces and cancel the previous one, which must be eliminated. These are average values based on tespower supply, subject to the tolerances	3.2	3.2	2	3	3.2	P7 (0,25;0,25)	
Bearing type : 6205 2RS C3 6204 2RS C3 Sealing : Inpro/Seal Inpro/Seal Lubrication interval : Lubricant amount : - Mobil Polyrex EM Notes: This revision replaces and cancel the previous one, which must be eliminated. These are average values based on tespower supply, subject to the tolerances			Non drive end	•	Drive end		
Sealing : Inpro/Seal Inpro/Seal Lubrication interval :						:	Bearing type
Lubrication interval :			Inpro/Seal		Inpro/Seal	:	
Lubricant amount : - Mobil Polyrex EM Notes: This revision replaces and cancel the previous one, which must be eliminated. These are average values based on tespower supply, subject to the tolerances			, -		· -	al :	•
Notes: This revision replaces and cancel the previous one, which must be eliminated. These are average values based on tespower supply, subject to the tolerances			-		-	:	Lubricant amount
This revision replaces and cancel the previous one, which must be eliminated. These are average values based on tes power supply, subject to the tolerances			M	bil Polyrex	Mot	:	Lubricant type
must be eliminated. power supply, subject to the tolerances							Notes:
must be eliminated. power supply, subject to the tolerances				I			
(2) Measured at 1m and with tolerance of +3dB(A). (3) Approximate weight subject to changes after manufacturing process. (4) At 100% of full load.					f +3dB(A).	f. tor from the shaft end. and with tolerance of eight subject to change cess.	must be eliminated (1) Looking the mo (2) Measured at 1r (3) Approximate wo manufacturing products
				<u> </u>			
Rev. Changes Summary Performed Checked	ed Date	Checked	Performed		ges Summary	Chang	Rev.

Rev.		Changes Summary	F	Performed	Checked	Date
Performed by						
Checked by					Page	Revision
Date	29/03/2024				1/1	