DATA SHEET

Three Phase Induction Motor - Squirrel Cage

:



Customer

Product line			: W22 Close Coupled Pump JP NEMA Premium Efficiency Three- Phase				Product code : 12602710				
Frame			: 284/6JP			Cooling	g method	: 10	C411 - TEFC		
Insulation cl	ass		: F			Mounti			: F-1		
Duty cycle			: Cont.(S1)			Rotation ¹		: E	: Both (CW and CCW)		
Ambient temperature			: -20°C to +40°C			Starting method			: Direct On Line		
Altitude			: 1000 m.a.s.l.			Approx. weight ³			: 187 kg		
Protection degree			: IP55			Moment of inertia (J)			: 0.2153 kgm ²		
Design	0		: B				()		0		
Output [HP]		25	20		20	20	25	25	25		
Poles			4	4		4	4	4	4	4	
requency [H	z]		60	50		50	50	50	50	50	
Rated voltage			230/460	380		100	415	380	400	415	
Rated current			59.0/29.5	29.1		8.2	27.5	35.9	34.3	33.2	
. R. Ampere			366/183	175		189	198	190	189	196	
RC [A]	0 [/ 1]		6.2x(Code	6.0x(Code					5.5x(Code F)		
			G)	G)	0.7 \(\	Souc II)	7.27(0000 0)	5.5X(0000 T)	5.5X(COUC T)	G)	
lo load curre	nt [A]		22.0/11.0	11.0	1	1.7	12.4	11.0	11.7	12.4	
Rated speed			1770	1470	1	473	1475	1455	1460	1465	
Slip [%]	-	-	1.67	2.00		.80	1.67	3.00	2.67	2.33	
Rated torque [kgfm]			10.3	9.87		.85	9.84	12.5	12.4	12.4	
ocked rotor f			240	229		<u>250</u>	270	180	200	220	
Breakdown torque [%]			270	260		300	330	210	240	260	
Service factor			1.25	1.00		.00	1.00	1.00	1.00	1.00	
Temperature rise			80 K	80 K		0 K	80 K	105 K	105 K	105 K	
ocked rotor 1			43s (cold)	32s (cold)		(cold)	32s (cold)	25s (cold)	25s (cold)	25s (cold	
	ume		24s (hot)	18s (hot)		(tota)	18s (hot)	14s (hot)	14s (hot)	14s (hot)	
Noise level ²		63.0 dB(A)	61.0 dB(A)		dB(A)	61.0 dB(A)	61.0 dB(A)	61.0 dB(A)	61.0 dB(A		
		25%	03.0 dB(A)	01.0 UD(A)	01.0	UD(A)	01.0 UD(A)	01.0 UD(A)	01.0 UD(A)	01.0 UD(A	
		50%	92.4	91.3	0	1.3	91.2	92.4	92.4	92.4	
Efficiency (%)	75%	92.4	91.3)2.5	91.2	92.4	92.4	92.4	
		100%	93.0	92.1		2.5	92.5	91.7	92.4	92.4	
		25%	93.0	92.1	9	2.0	92.1	91.0	91.7	92.4	
			0.70	0.60		CE.	0.62	0.76	0.72	0.70	
Power Fact	or	50%	0.70	0.69		0.65	0.62	0.76	0.73	0.70	
		75%	0.80	0.80		0.78	0.75	0.84	0.82	0.80	
		100%	0.84	0.85	0	.83	0.82	0.86	0.85	0.84	
Losses at no			g points (spee	d;torque), in	percent	tage of r	ated output po	ower			
		0,9;1,0) —	6.8	6.8	6.8	2	6.8	6.8	6.8	6.8	
	P2 (0,5;1,0)	5.8	5.8	5.8		5.8	5.8	5.8	5.8	
	P3 ((),25;1,0)	5.3								
		0,9;0,5) —		5.3	5.3		5.3	5.3	5.3	5.3	
		0,5;0,5) —	3.1 2.2	3.1	3.1		3.1	3.1	3.1	3.1	
Losses (%)	P5 (0,0,0,0,		2.2	2.2		2.2	2.2	2.2 1.4	2.2	
Losses (%)				1 4			1 1		1.4	1.4	
Losses (%)		0,5;0,25) P7	1.4	1.4	1.4		1.4	1.4			
Losses (%)	P6 ((0,5;0,25) —		1.4 1.0	1.4 1.0		1.4 1.0	1.4	1.0	1.0	
Losses (%)	P6 ((0,5;0,25) P7 —	1.4	1.0	1.0)					
	P6 (0	0,5;0,25) P7 —	1.4 1.0 Drive en	1.0 <u>d Non driv</u>	1.0 <u>e end</u>) Founda	1.0 tion loads	1.0	1.0		
Bearing type	P6 (0	0,5;0,25) P7 —	1.4 1.0 Drive en : 6311 C	1.0 <u>d Non driv</u> 3 6211	1.0 <u>e end</u> C3) Founda Max. tra	1.0 tion loads action	1.0	1.0 67 kgf		
Bearing type Sealing	P6 (((0,2	D,5;0,25) P7 25;0,25)	1.4 1.0 Drive en : 6311 C : V'Ring	1.0 <u>d Non driv</u> 3 6211 J V'Ri	1.0 <u>e end</u> C3 ng) Founda Max. tra	1.0 tion loads	1.0	1.0		
Bearing type Sealing Lubrication i	P6 (((0,2	D,5;0,25) P7 25;0,25)	1.4 1.0 Drive en : 6311 C : V'Ring : 20000	1.0 <u>d Non driv</u> 3 6211 J V'Ri h 2000	1.0 <u>e end</u> C3 ng 10 h) Founda Max. tra	1.0 tion loads action	1.0	1.0 67 kgf		
Bearing type Sealing Lubrication i Lubricant ar	P6 (((0,2 e interv	D,5;0,25) P7 25;0,25)	1.4 1.0 Drive en : 6311 C : V'Ring : 20000 : 18 g	1.0 <u>d Non driv</u> 3 6211 J V'Ri h 2000 11	1.0 e end C3 ng 10 h g) Founda Max. tra	1.0 tion loads action	1.0	1.0 67 kgf		
Bearing type Sealing	P6 (((0,2 e interv	D,5;0,25) P7 25;0,25)	1.4 1.0 Drive en : 6311 C : V'Ring : 20000 : 18 g	1.0 <u>d Non driv</u> 3 6211 J V'Ri h 2000	1.0 e end C3 ng 10 h g) Founda Max. tra	1.0 tion loads action	1.0	1.0 67 kgf		
Bearing type Sealing Lubrication i Lubricant ar	P6 (((0,2 e interv	D,5;0,25) P7 25;0,25)	1.4 1.0 Drive en 6311 C V'Ring 20000 18 g Mot	1.0 <u>d Non driv</u> 3 6211 J V'Ri h 2000 11 il Polyrex EM	1.0 e end C3 ng 10 h g) Founda Max. tra	1.0 tion loads action	1.0 : 36 : 55	1.0 67 kgf		
Bearing type Sealing Lubrication i Lubricant ar Lubricant typ	P6 (((0,2 e interv	D,5;0,25) P7 25;0,25)	1.4 1.0 Drive en 6311 C V'Ring 20000 18 g Mot	1.0 <u>d Non driv</u> 3 6211 J V'Ri h 2000 11	1.0 e end C3 ng 10 h g) Founda Max. tra	1.0 tion loads action ompression	1.0 : 36 : 55	1.0 67 kgf 54 kgf	1.0	
Bearing type Sealing Lubrication i Lubricant ar Lubricant typ Rev.	P6 (((0,2	D,5;0,25) P7 25;0,25)	1.4 1.0 Drive en 6311 C V'Ring 20000 18 g Mot	1.0 <u>d Non driv</u> 3 6211 J V'Ri h 2000 11 il Polyrex EM	1.0 e end C3 ng 10 h g) Founda Max. tra	1.0 tion loads action ompression	1.0 : 36 : 55	1.0 67 kgf 54 kgf	1.0	
Bearing type Sealing Lubrication i Lubricant ar Lubricant typ	P6 (((0,2	D,5;0,25) P7 25;0,25)	1.4 1.0 Drive en 6311 C V'Ring 20000 18 g Mot	1.0 <u>d Non driv</u> 3 6211 J V'Ri h 2000 11 il Polyrex EM	1.0 e end C3 ng 10 h g) Founda Max. tra	1.0 tion loads action ompression	1.0 : 36 : 55	1.0 67 kgf 54 kgf	1.0	
Bearing type Sealing Lubrication i Lubricant ar Lubricant typ Rev.	P6 (((0,2 e interv nount pe	D,5;0,25) P7 25;0,25)	1.4 1.0 Drive en 6311 C V'Ring 20000 18 g Mot	1.0 <u>d Non driv</u> 3 6211 J V'Ri h 2000 11 il Polyrex EM	1.0 e end C3 ng 10 h g) Founda Max. tra	1.0 tion loads action ompression	1.0 : 36 : 55	1.0 67 kgf 54 kgf	1.0	

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Notes

USABLE @208V 65.2A SF 1.15 SFA 75.0A

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must be eliminate (1) Looking the n (2) Measured at	ed. notor from the sha 1m and with tolera weight subject to rocess.	ance of +3dB(A).	These are average values based on tests with sinusoidal power supply, subject to the tolerances stipulated in NEMA MG-1.					
Rev.		Changes Summary		Performed	Checked	Date		
Performed by								
Checked by					Page	Revision		
Date	24/10/2024				2/9			

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9/9