# DATA SHEET

Checked by



Customer	:							
			: W22 Brake Motor NEMA Premium Product code : 14742134 Efficiency Three-Phase					
Frame		: 143/5TC	•		Locked r	otor time	: 25s (cold)	14s (hot)
Output		: 1.5 HP (			Tempera		: 80 K	
Poles		: 4	K**/		Duty cycle		: Cont.(S1)	
Frequency		: 60 Hz			Ambient temperature		: -20°C to +40°C	
Rated voltage		: 575 V			Altitude		: 1000 m.a.s.l.	
Rated current		: 1.68 A			Protection degree		: IP55	
		: 14.1 A						
L. R. Amperes			d= 1 \		Cooling method		: IC411 - TEFC	
LRC		: 8.4x(Cod	de L)		Mounting		: F-1	1.00141)
No load current		: 0.960 A			Rotation <sup>1</sup>		: Both (CW and CCW)	
Rated speed		: 1755 rpr	n		Noise le		: 51.0 dB(A	
Slip		: 2.50 %	_		Starting		: Direct On	Line
Rated torque		: 0.620 kg	ıfm		Approx.	weight³	: 27.6 kg	
Locked rotor tore		: 290 %						
Breakdown torqu	ue	: 350 %						
Insulation class		: F						
Service factor		: 1.25						
Moment of inerti	a (J)	: 0.0060 k	gm²					
Design	. ,	: B	•					
Ott	F00/	750/	100%		Farmalatio			
Output	50%	75%			Foundation			
Efficiency (%)	82.5	85.5	86.5		Max. trac		: 48 kgf	
Power Factor	0.54	0.67	0.76		Max. com	pression	: 75 kgf	
Losses at norma	tive operating	points (spe	ed;torque),	in perce	ntage of ra	ted output power		
P1 (0,9;1,0)	P2 (0,5;1,0	)) P3 (	0,25;1,0)	P4 (0	,9;0,5)	P5 (0,5;0,5)	P6 (0,5;0,25)	P7 (0,25;0,25)
14.7	12.1		12.0		.7	6.1	4.9	3.6
			Drive end			Non drive end		0.0
Bearing type			6205 ZZ			6204 ZZ	≛	
Sealing			V'Ring			Lip Seal		
Lubrication inter	val :	•	Viting			Lip ocai		
Lubricant amour		•	-			-		
Lubricant type			-		00088	-		
Labricant type		•						
This revision repl must be eliminate (1) Looking the m (2) Measured at (3) Approximate manufacturing pr	ed. notor from the 1m and with to weight subject	shaft end. olerance of	+3dB(A).	/hich			based on tests w ne tolerances stipu	
(4) At 100% of fu		Change	a Cumman			Dorformed	Charled	Data
Rev.		Change	es Summary	<b>y</b>		Performed	Checked	Date
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## DATA SHEET



Three Phase Inc	<u> </u>			
Customer				
Voltago: 525 575 V	Brake informat	ion		
Voltage: 525-575 V Brake Torque: 1.63 kgfm				
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Date

### LOAD PERFORMANCE CURVE

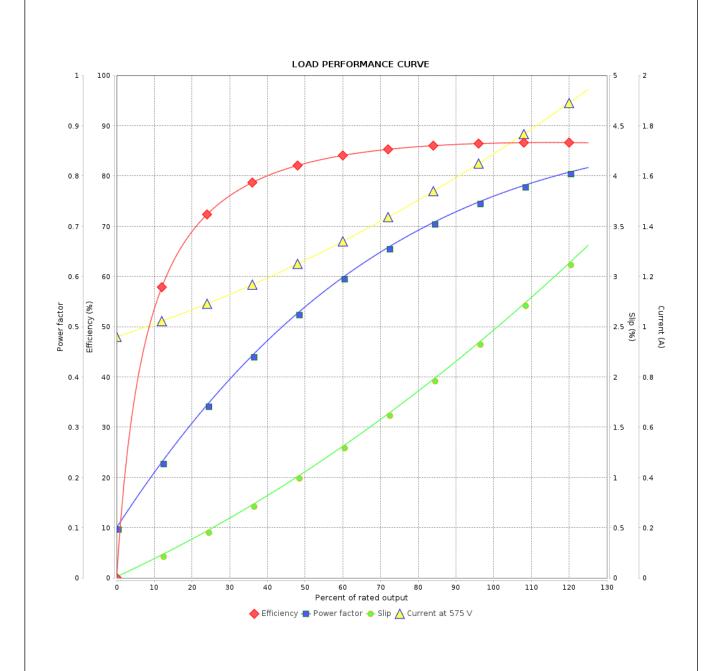
#### Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : W22 Brake Motor NEMA Premium Product code : 14742134

Efficiency Three-Phase



Performance		: 575 V 60 Hz 4P				
Rated current LRC Rated torque Locked rotor tord	RC : 8.4 Duty cycle Rated torque : 0.620 kgfm Insulation class		e class	: 0.0060 kgm² : Cont.(S1) : F : 1.25		
Breakdown torque : 350 % Rated speed : 1755 rpm			Temperature rise Design		: 80 K : B	
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