

DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer :					
Product line	: Premium Efficiency Three-Phase	Product code :	13484363		
Frame	: 56HC	Cooling method	: IC411 - TEFC		
Insulation class	: F	Mounting	: F-1		
Duty cycle	: Cont.(S1)	Rotation ¹	: 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	: 18.3 kg		
Protection degree	: IP55	Moment of inertia (J)	: 0.0054 kgm ²		
Design	: B				
Output [HP]	2	2	2		
Poles	2	2	2		
Frequency [Hz]	60	50	50		
Rated voltage [V]	230/460	190/380	220/415		
Rated current [A]	4.94/2.47	5.94/2.97	5.39/2.86		
L. R. Amperes [A]	48.9/24.5	44.0/22.0	44.2/23.5		
LRC [A]	9.9x(Code L)	7.4x(Code J)	8.2x(Code K)		
No load current [A]	2.13/1.06	2.10/1.05	2.14/1.13		
Rated speed [RPM]	3520	2875	2890		
Slip [%]	2.22	4.17	3.67		
Rated torque [kgfm]	0.412	0.505	0.502		
Locked rotor torque [%]	250	229	260		
Breakdown torque [%]	300	280	310		
Service factor		1.15	1.15		
Temperature rise	80 K	80 K	80 K		
Locked rotor time	23s (cold) 13s (hot)	21s (cold) 12s (hot)	19s (cold) 11s (hot)		
Noise level ²	68.0 dB(A)	65.0 dB(A)	65.0 dB(A)		
Efficiency (%)	25%	82.1	84.8	84.0	
	50%	82.5	84.0	83.7	
	75%	85.5	84.6	84.9	
	100%	85.5	83.3	84.1	
Power Factor	25%	0.45	0.51	0.48	
	50%	0.73	0.79	0.76	
	75%	0.83	0.88	0.86	
	100%	0.89	0.92	0.90	
Bearing type	: Drive end : 6204 ZZ	Non drive end : 6202 ZZ	Foundation loads		
Sealing	: V'Ring	Without Bearing Seal	Max. traction	: 41 kgf	
			Max. compression	: 59 kgf	
Lubrication interval	: -	-			
Lubricant amount	: -	-			
Lubricant type	: Mobil Polyrex EM				
Notes USABLE @208V 5.46A SF 1.00 SFA 5.46A					
This revision replaces and cancel the previous one, which must be eliminated. (1) Looking the motor from the shaft end. (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.			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					
Date	11/05/2022			Page	Revision
				1 / 4	

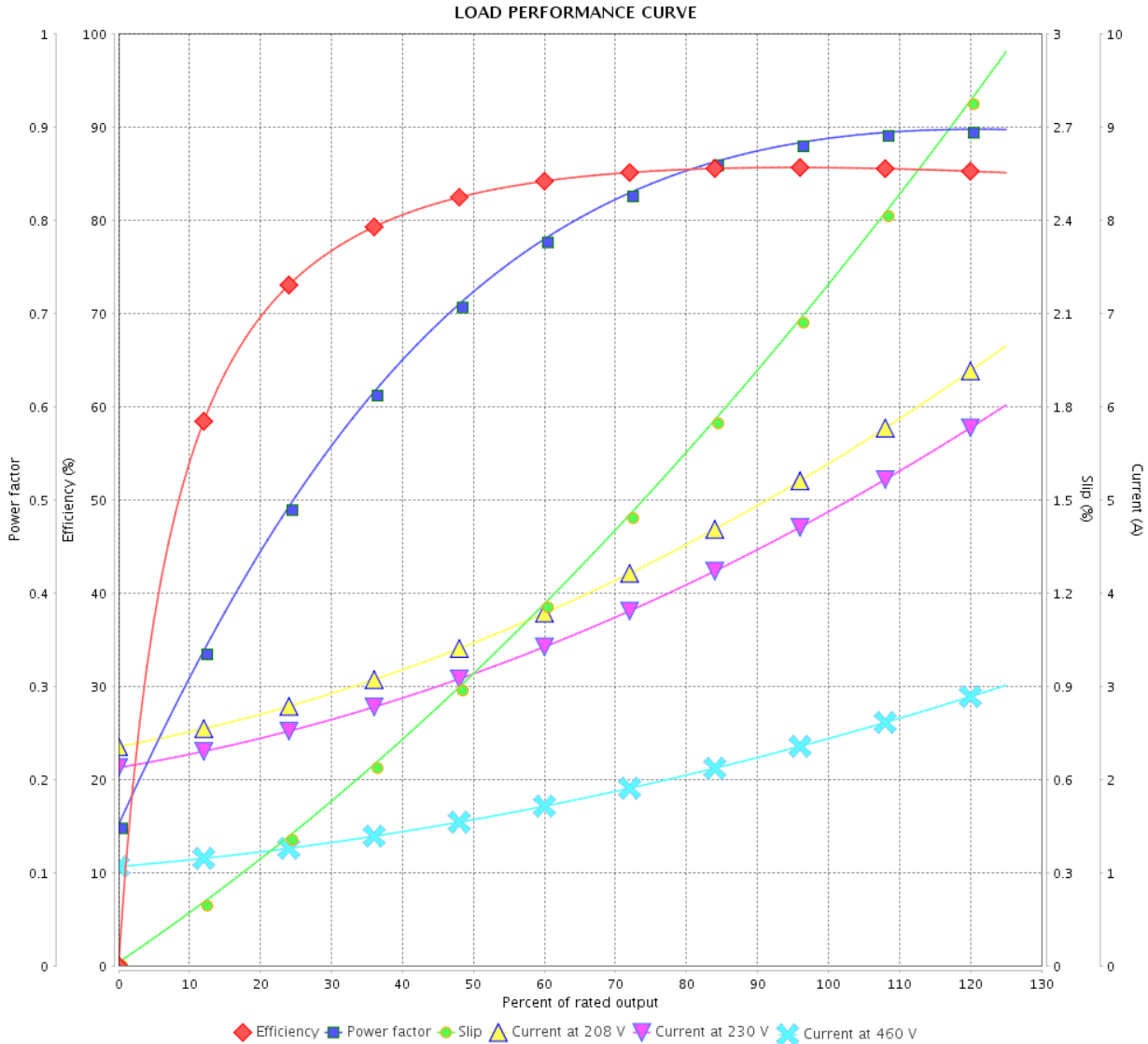
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Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : Premium Efficiency Three-Phase Product code : 13484363



Performance : 230/460 V 60 Hz 2P

Rated current : 4.94/2.47 A
 LRC : 9.9
 Rated torque : 0.412 kgfm
 Locked rotor torque : 250 %
 Breakdown torque : 300 %
 Rated speed : 3520 rpm

Moment of inertia (J) : 0.0054 kgm²
 Duty cycle : Cont.(S1)
 Insulation class : F
 Service factor :
 Temperature rise : 80 K
 Design : B

Rev.	Changes Summary	Performed	Checked	Date
Performed by			Page 2 / 4	Revision
Checked by				
Date	11/05/2022			

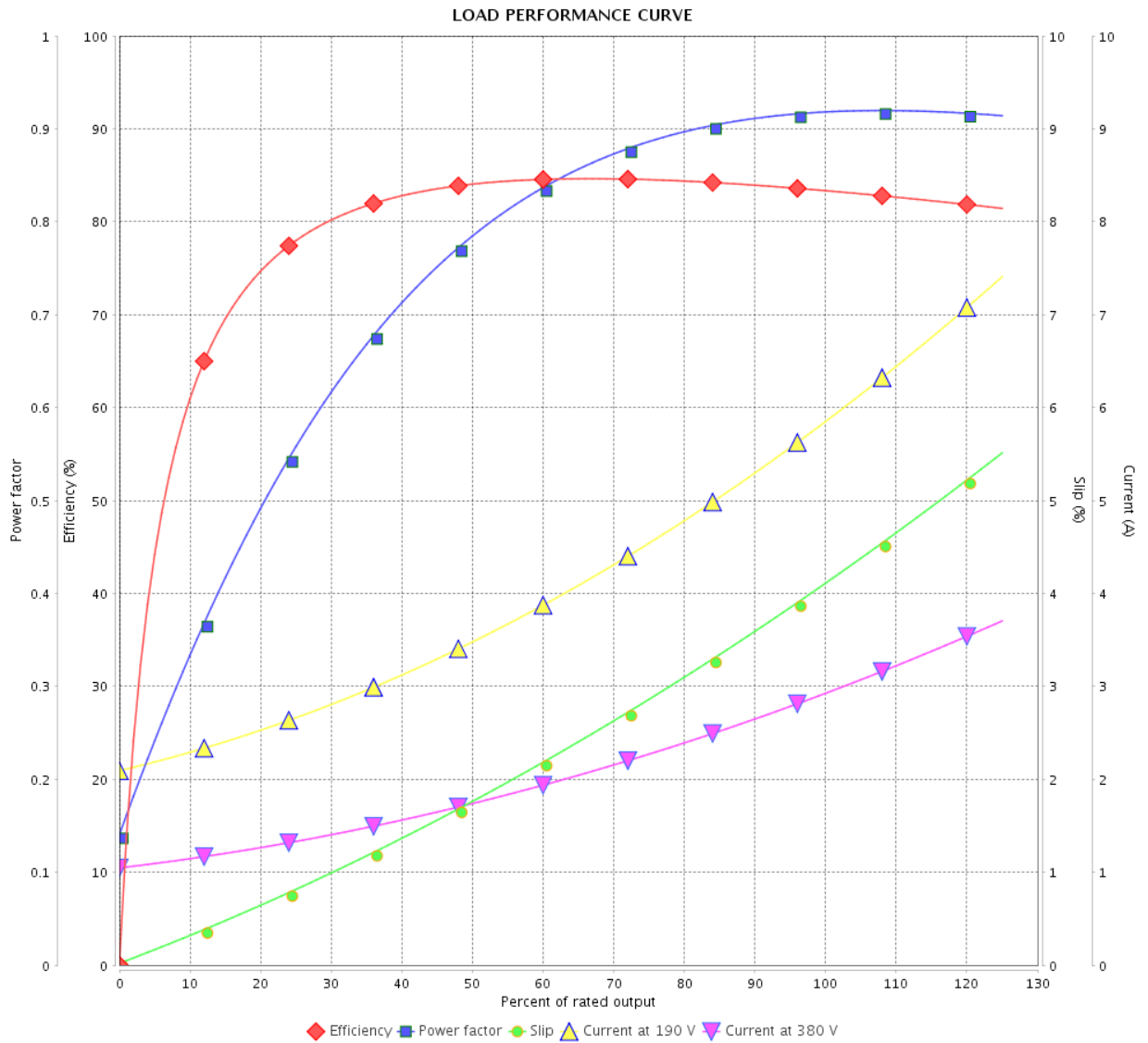
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Three Phase Induction Motor - Squirrel Cage



Customer : _____

Product line : Premium Efficiency Three-Phase Product code : 13484363



Performance : 190/380 V 50 Hz 2P

Rated current : 5.94/2.97 A
 LRC : 7.4
 Rated torque : 0.505 kgfm
 Locked rotor torque : 229 %
 Breakdown torque : 280 %
 Rated speed : 2875 rpm

Moment of inertia (J) : 0.0054 kgm²
 Duty cycle : Cont.(S1)
 Insulation class : F
 Service factor : 1.15
 Temperature rise : 80 K
 Design : B

Rev.	Changes Summary	Performed	Checked	Date
Performed by			Page 3 / 4	Revision
Checked by				
Date	11/05/2022			

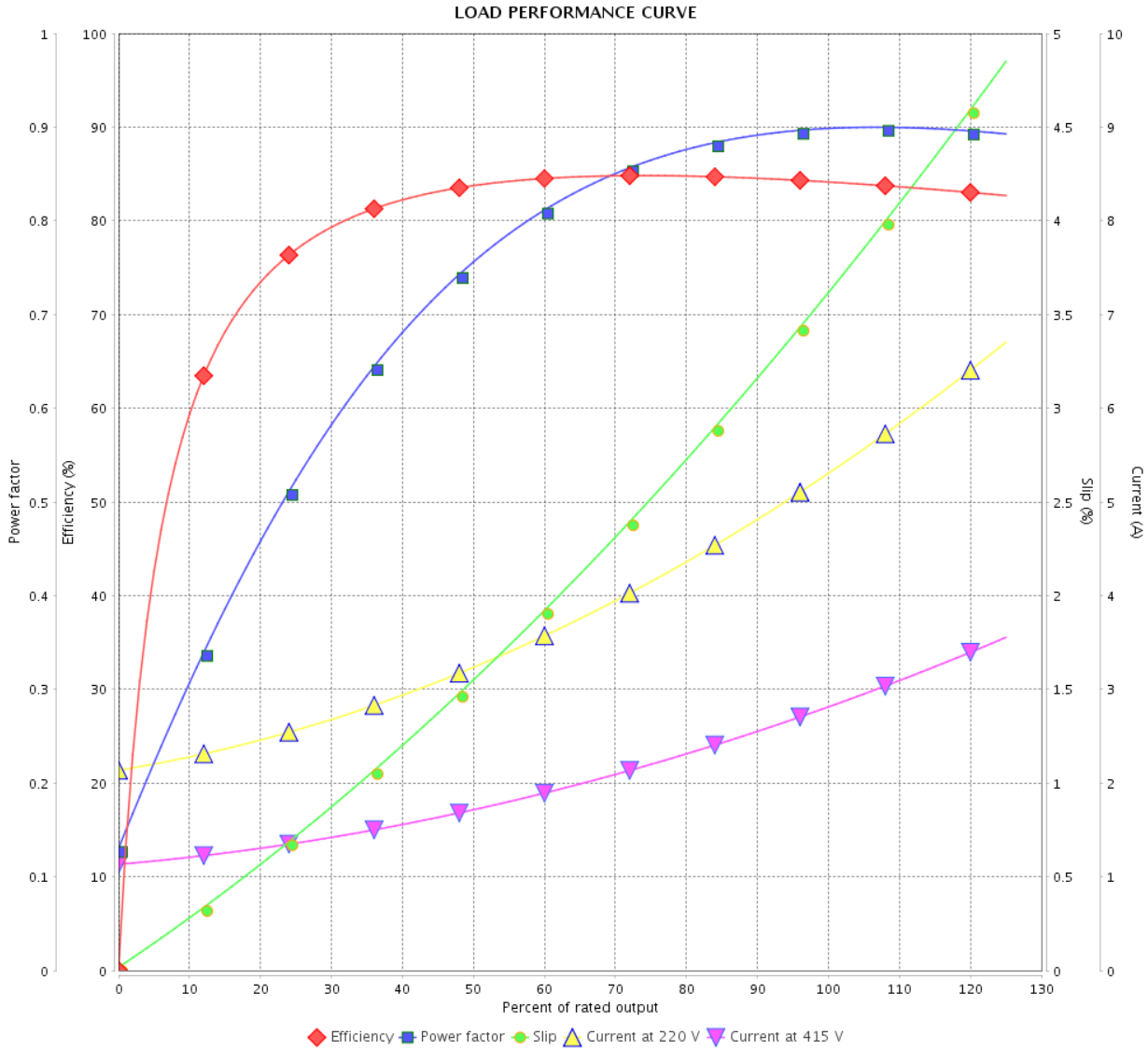
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Three Phase Induction Motor - Squirrel Cage



Customer : _____

Product line : Premium Efficiency Three-Phase Product code : 13484363



Performance : 220/415 V 50 Hz 2P

Rated current : 5.39/2.86 A
 LRC : 8.2
 Rated torque : 0.502 kgfm
 Locked rotor torque : 260 %
 Breakdown torque : 310 %
 Rated speed : 2890 rpm

Moment of inertia (J) : 0.0054 kgm²
 Duty cycle : Cont.(S1)
 Insulation class : F
 Service factor : 1.15
 Temperature rise : 80 K
 Design : B

Rev.	Changes Summary	Performed	Checked	Date
Performed by			Page 4 / 4	Revision
Checked by				
Date	11/05/2022			