

DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer :					
Product line : W22 Tru-Metric IE3 Three-Phase		Product code : 13034076			
Frame : 63	Insulation class : F	Duty cycle : S1	Ambient temperature : -20°C to +40°C	Altitude : 1000 m.a.s.l.	
Protection degree : IP55	Design : N	Cooling method : IC411 - TEFC	Mounting : B3L(E)	Rotation ¹ : Both (CW and CCW)	
		Starting method : Direct On Line	Approx. weight ² : 8.3 kg	Moment of inertia (J) : 0.0006 kgm ²	
Output [HP]	0.25	0.25	0.25		
Poles	4	4	4		
Frequency [Hz]	50	50	60		
Rated voltage [V]	220/380	240/415	460		
Rated current [A]	0.902/0.522	0.885/0.512	0.471		
L. R. Amperes [A]	4.24/2.45	4.16/2.41	2.68		
LRC [A]	4.7	4.7	5.7		
No load current [A]	0.622/0.360	0.726/0.420	0.360		
Rated speed [RPM]	1355	1380	1705		
Slip [%]	9.67	8.00	5.28		
Rated torque [kgfm]	0.134	0.131	0.106		
Locked rotor torque [%]	200	240	280		
Breakdown torque [%]	200	240	330		
Service factor	1.25	1.25	1.25		
Temperature rise	80 K	80 K	80 K	80 K	
Locked rotor time	54s (cold) 30s (hot)	54s (cold) 30s (hot)	72s (cold) 40s (hot)		
Noise level ²	44.0 dB(A)	44.0 dB(A)	48.0 dB(A)	dB(A)	
Efficiency (%)	25%				
	50%	65.0	65.0	62.0	
	75%	67.0	67.0	66.0	
	100%	69.9	69.9	69.5	
Power Factor	25%				
	50%	0.57	0.50	0.50	
	75%	0.67	0.61	0.60	
	100%	0.75	0.70	0.69	
Losses at normative operating points (speed;torque), in percentage of rated output power					
Losses (%)	P1 (0,9;1,0)	40.1	40.1	40.9	
	P2 (0,5;1,0)	33.6	33.6	34.2	
	P3 (0,25;1,0)	34.9	34.9	35.6	
	P4 (0,9;0,5)	27.1	27.1	27.6	
	P5 (0,5;0,5)	19.5	19.5	19.8	
	P6 (0,5;0,25)	16.9	16.9	17.2	
	P7 (0,25;0,25)	12.6	12.6	12.8	
Bearing type : 6201 ZZ	Drive end	Non drive end	Foundation loads		
Sealing : V'Ring			Max. traction : 9 kgf		
Lubrication interval : -			Max. compression : 18 kgf		
Lubricant amount : -					
Lubricant type : Mobil Polyrex EM					
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.		
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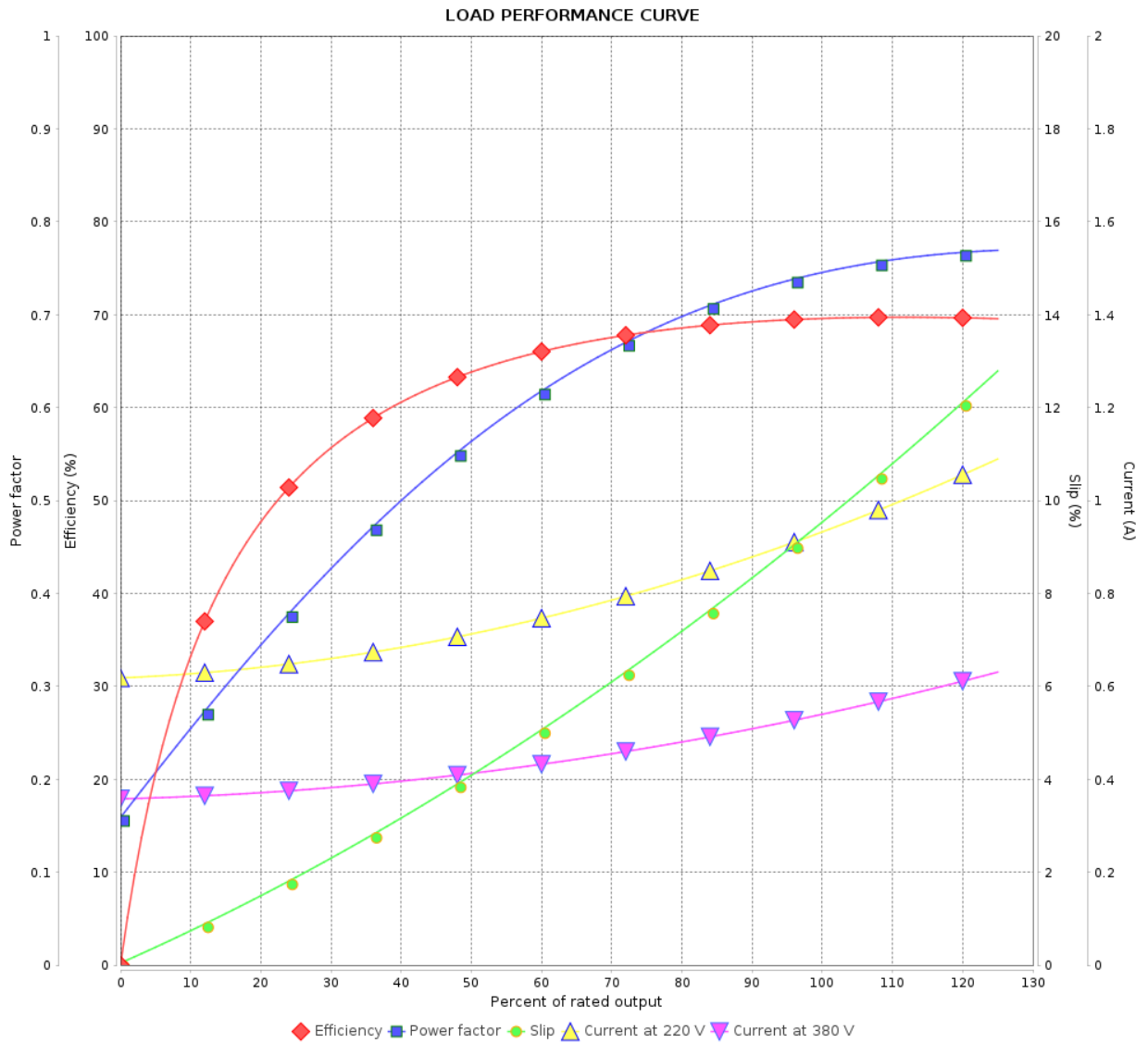


Customer : _____

Product line : W22 Tru-Metric IE3 Three-Phase

Product code :

13034076



Performance : 220/380 V 50 Hz 4P

Rated current : 0.902/0.522 A
 LRC : 4.7
 Rated torque : 0.134 kgfm
 Locked rotor torque : 200 %
 Breakdown torque : 200 %
 Rated speed : 1355 rpm

Moment of inertia (J) : 0.0006 kgm²
 Duty cycle : S1
 Insulation class : F
 Service factor : 1.25
 Temperature rise : 80 K
 Design : N

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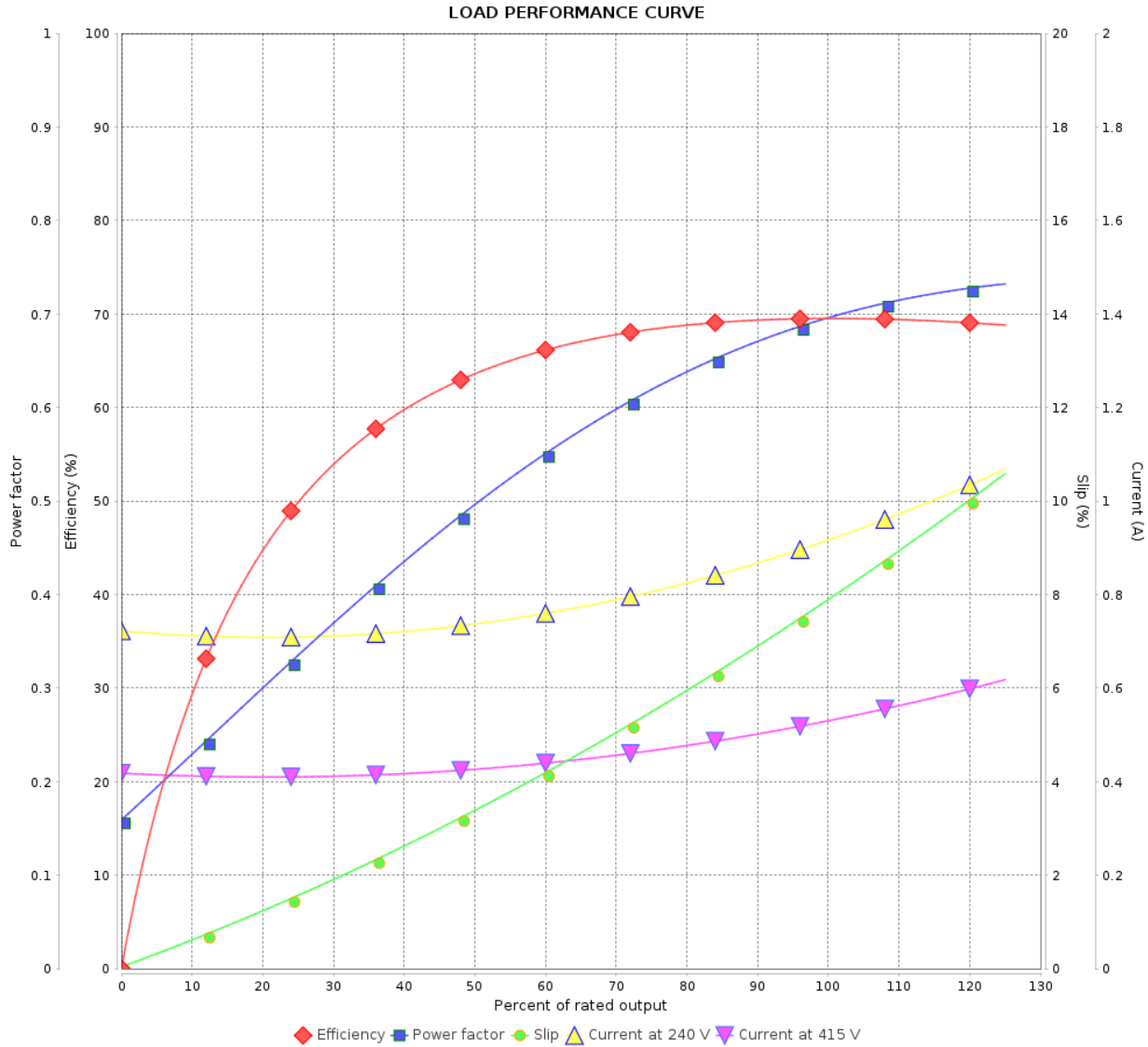


Customer : _____

Product line : W22 Tru-Metric IE3 Three-Phase

Product code :

13034076



Performance : 240/415 V 50 Hz 4P

Rated current : 0.885/0.512 A
 LRC : 4.7
 Rated torque : 0.131 kgfm
 Locked rotor torque : 240 %
 Breakdown torque : 240 %
 Rated speed : 1380 rpm

Moment of inertia (J) : 0.0006 kgm²
 Duty cycle : S1
 Insulation class : F
 Service factor : 1.25
 Temperature rise : 80 K
 Design : N

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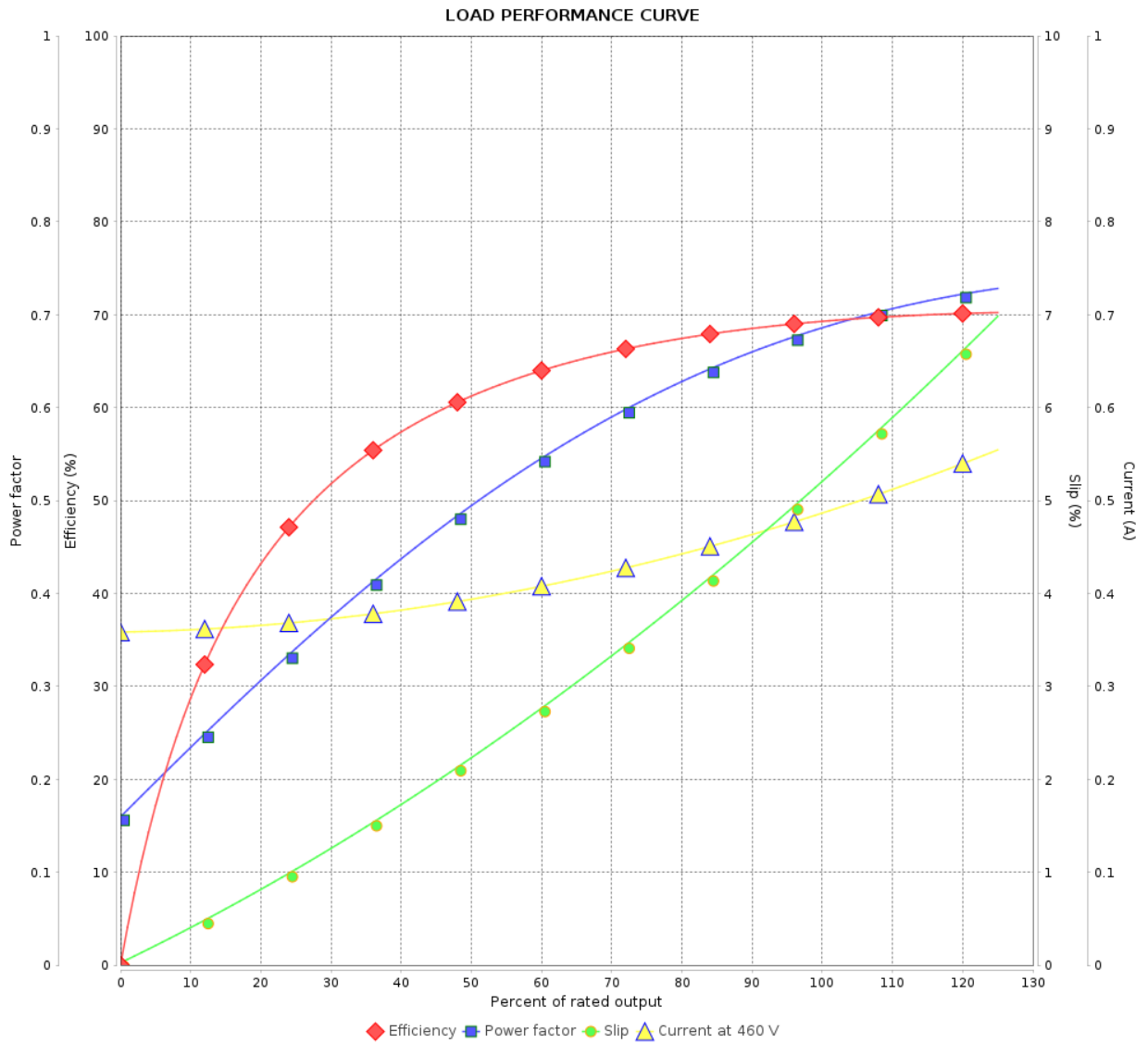


Customer : _____

Product line : W22 Tru-Metric IE3 Three-Phase

Product code :

13034076



Performance : 460 V 60 Hz 4P

Rated current : 0.471 A
 LRC : 5.7
 Rated torque : 0.106 kgfm
 Locked rotor torque : 280 %
 Breakdown torque : 330 %
 Rated speed : 1705 rpm

Moment of inertia (J) : 0.0006 kgm²
 Duty cycle : S1
 Insulation class : F
 Service factor : 1.25
 Temperature rise : 80 K
 Design : N

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