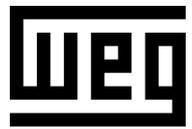


DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer :					
Product line	: W22 NEMA Premium Efficiency Three-Phase	Product code :	12710800		
Frame	: 143/5TC	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	: 20.8 kg		
Protection degree	: IP55	Moment of inertia (J)	: 0.0049 kgm ²		
Design	: B				
Output [HP]	1	1	1	1	
Poles	4	4	4	4	
Frequency [Hz]	60	50	50	50	
Rated voltage [V]	230/460	380	400	415	
Rated current [A]	3.02/1.51	1.75	1.70	1.70	
L. R. Amperes [A]	26.0/13.0	11.4	11.9	12.8	
LRC [A]	8.6x(Code M)	6.5x(Code J)	7.0x(Code K)	7.5x(Code L)	
No load current [A]	2.00/1.00	1.00	1.10	1.00	
Rated speed [RPM]	1760	1450	1455	1460	
Slip [%]	2.22	3.33	3.00	2.67	
Rated torque [kgfm]	0.412	0.501	0.499	0.497	
Locked rotor torque [%]	280	220	240	260	
Breakdown torque [%]	370	250	290	310	
Service factor	1.25	1.25	1.25	1.25	
Temperature rise	80 K	80 K	80 K	80 K	
Locked rotor time	32s (cold) 18s (hot)	32s (cold) 18s (hot)	32s (cold) 18s (hot)	32s (cold) 18s (hot)	
Noise level ²	51.0 dB(A)	49.0 dB(A)	49.0 dB(A)	49.0 dB(A)	
Efficiency (%)	25%				
	50%	80.0	80.0	80.0	
	75%	84.0	82.5	82.5	
	100%	85.5	82.5	84.0	
Power Factor	25%				
	50%	0.52	0.59	0.55	
	75%	0.65	0.71	0.68	
	100%	0.73	0.79	0.76	
Losses at normative operating points (speed;torque), in percentage of rated output power					
Losses (%)	P1 (0,9;1,0)	18.7	20.4	18.3	17.6
	P2 (0,5;1,0)	15.7	17.2	15.4	14.8
	P3 (0,25;1,0)	17.0	18.5	16.6	16.0
	P4 (0,9;0,5)	12.0	13.1	11.7	11.3
	P5 (0,5;0,5)	8.8	9.6	8.6	8.3
	P6 (0,5;0,25)	7.6	8.3	7.4	7.1
	P7 (0,25;0,25)	5.7	6.2	5.6	5.4
Bearing type	: Drive end : 6205 ZZ Non drive end : 6204 ZZ	Foundation loads			
Sealing	: V'Ring V'Ring	Max. traction	: 33 kgf		
Lubrication interval	: - -	Max. compression	: 54 kgf		
Lubricant amount	: - -				
Lubricant type	: 00088				
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.		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	15/03/2026		1 / 6		

DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer : _____

Notes
USABLE @208V 3.07A SF 1.15 SFA 3.54A

Rev.	Changes Summary	Performed	Checked	Date
Performed by				
Checked by			Page	Revision
Date	15/03/2026		2 / 6	

LOAD PERFORMANCE CURVE

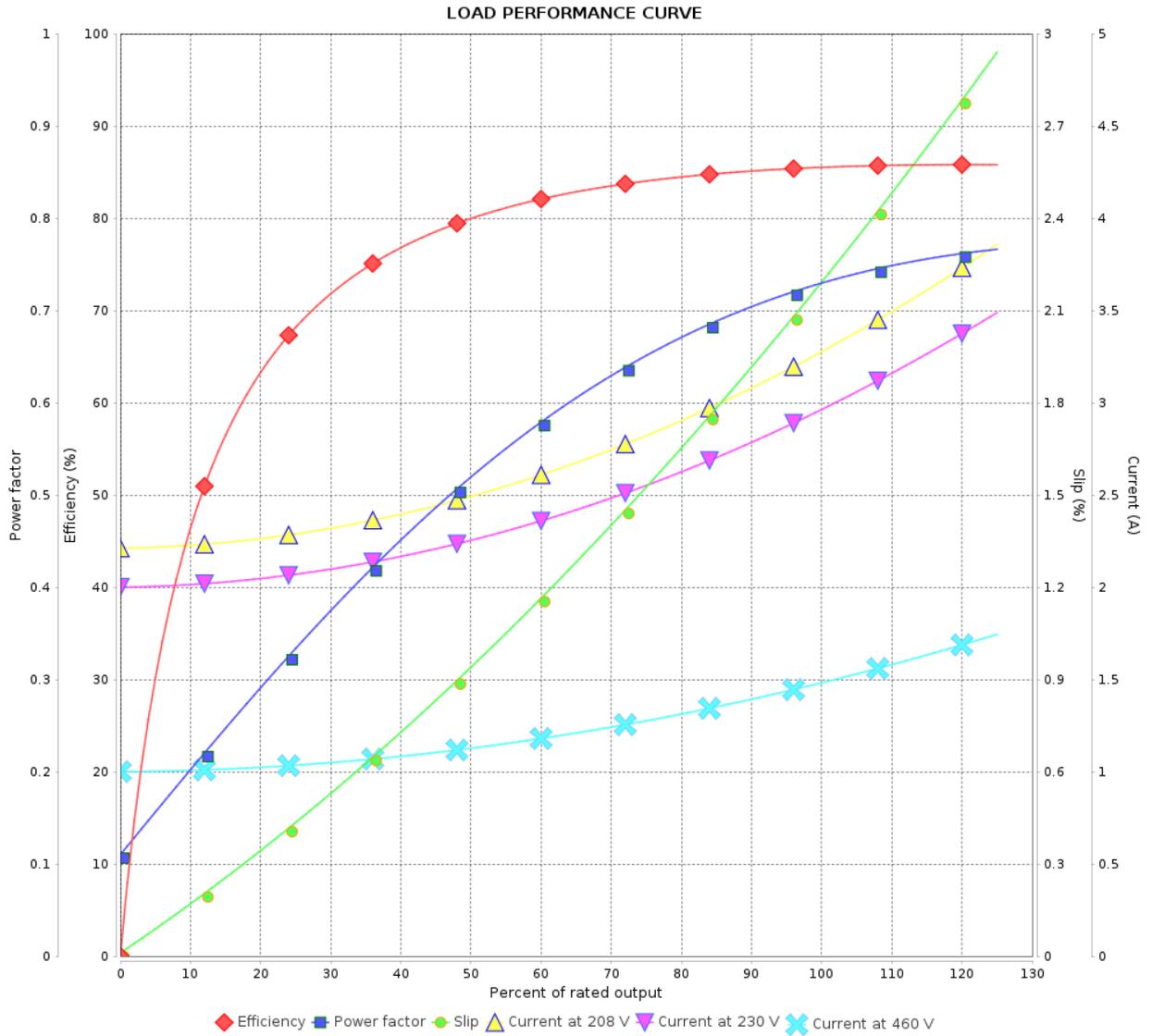
Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : W22 NEMA Premium Efficiency Three-Phase

Product code : 12710800



Rev.	Changes Summary	Performed	Checked	Date
Performed by			Page 3 / 6	Revision
Checked by				
Date				

LOAD PERFORMANCE CURVE

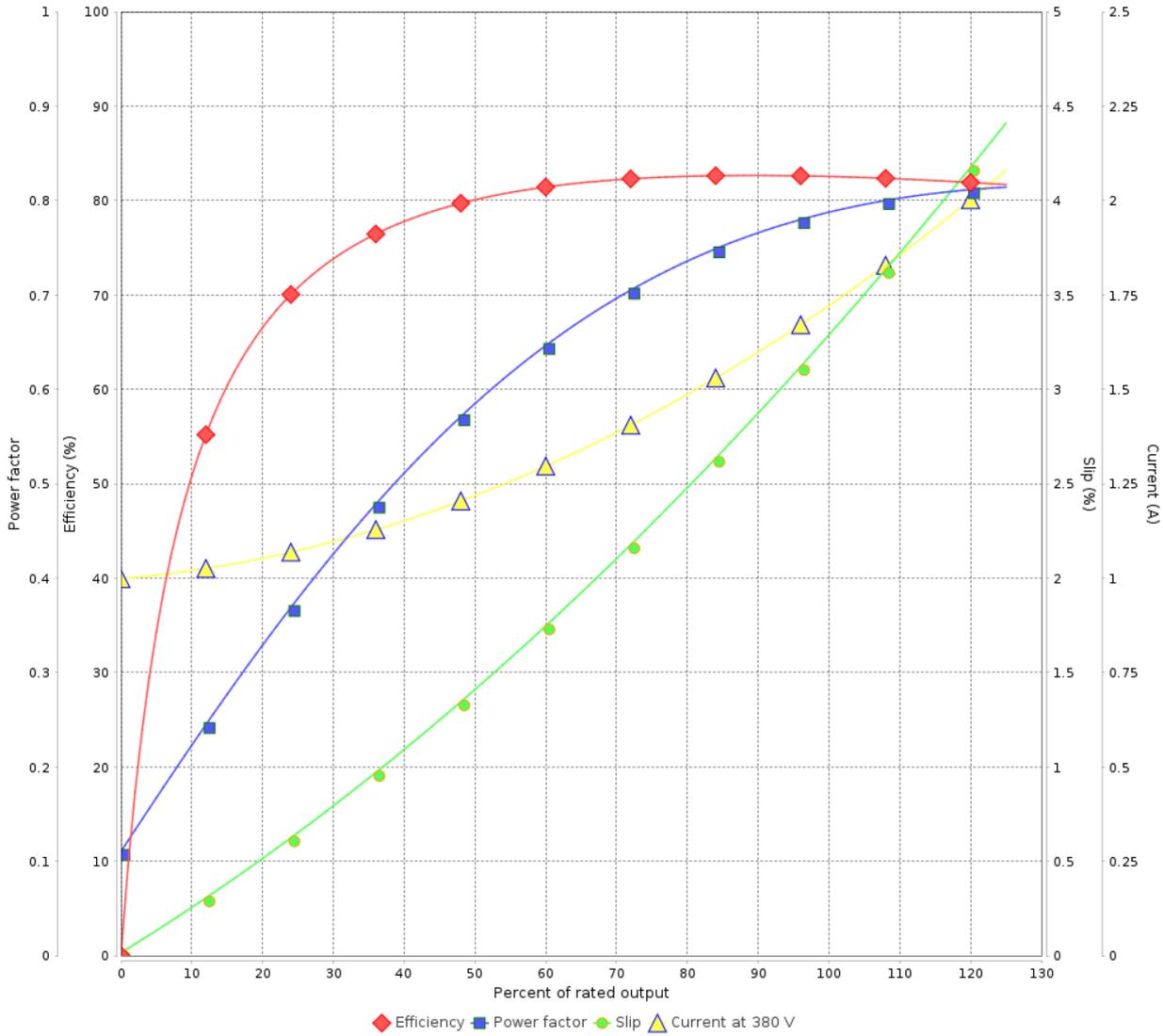
Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : W22 NEMA Premium Efficiency Three-Phase Product code : 12710800

LOAD PERFORMANCE CURVE



Rev.	Changes Summary	Performed	Checked	Date
Performed by			Page 4 / 6	Revision
Checked by				
Date	15/03/2026			

LOAD PERFORMANCE CURVE

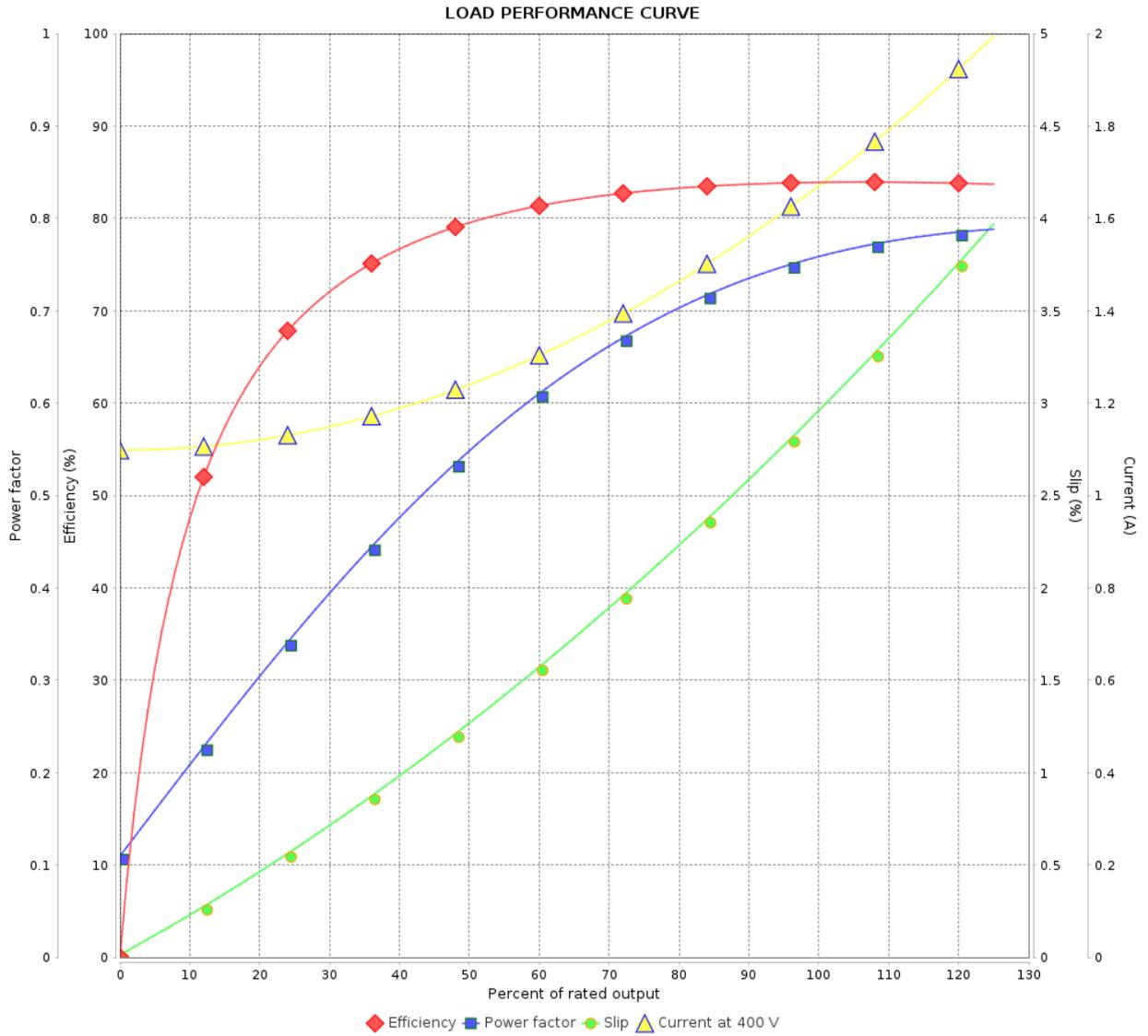
Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : W22 NEMA Premium Efficiency Three-Phase

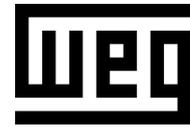
Product code : 12710800



Rev.	Changes Summary	Performed	Checked	Date
Performed by			Page	Revision
Checked by				
Date				
			5 / 6	

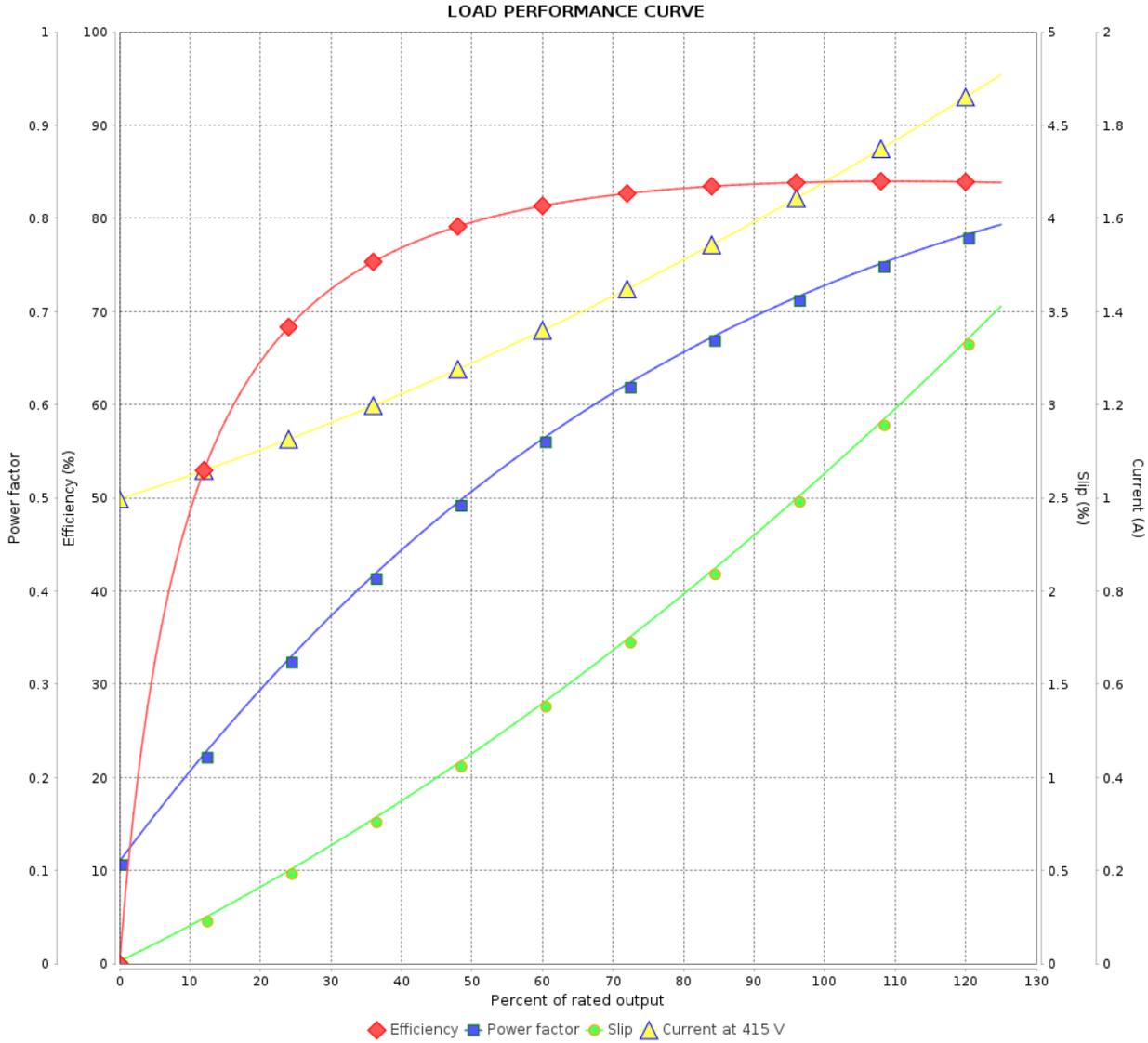
LOAD PERFORMANCE CURVE

Three Phase Induction Motor - Squirrel Cage



Customer : _____

Product line : W22 NEMA Premium Efficiency Three-Phase Product code : 12710800



Rev.	Changes Summary	Performed	Checked	Date
Performed by			Page 6 / 6	Revision
Checked by				
Date				