



Customer information packet

CM3545X

1HP, 3450RPM, 3PH, 60HZ, 56C, 3416M, TEFC, F1, N

Part detail

Revision	E
Type	AC
Mech. spec.	34A062
Base	
Status	PRD/A
Elec. spec.	34WG0282
Layout	34LYA062
Eff. date	12-30-2024
CD Diagram	CD0005
Poles	02
Leads	9#18
Proprietary	True
Created date	05-25-2016

Nameplate

NP1256L									
CAT.NO.	CM3545X								
SPEC.	34A062-0282G6								
HP	1								
VOLTS	230/460								
AMP	3.6/1.8 SFA 4/2								
RPM	3450								
FRAME	56C		HZ	60			PH	3	
SER.F.	1.25	CODE	H	DES	B	CLASS		B	
NEMA-NOM-EFF	75.5	PF	71						
RATING	40C AMB-CONT								
CC									
DE	6203		ODE	6203					
ENCL	TEFC	SN							
	NOT FOR USE IN USA								

AC Induction Motor Performance Data

Record # 6568

Typical performance - not guaranteed values

Winding: 34WG0282-R001			Type: 3416M		Enclosure: TEFC			
Nameplate Data			460 V, 60 Hz: High Voltage Connection					
Rated Output (HP)		1	Full Load Torque		1.5 LB-FT			
Volts		230/460	Start Configuration		direct on line			
Full Load Amps		3.6/1.8	Breakdown Torque		6.5 LB-FT			
R.P.M.		3450	Pull-up Torque		5.2 LB-FT			
Hz	60	Phase	3	Locked-rotor Torque		5.5 LB-FT		
NEMA Design Code		B	KVA Code	H	Starting Current		11 A	
Service Factor (S.F.)		1.25		No-load Current		1.1 A		
NEMA Nom. Eff.		75.5	Power Factor		71	Line-line Res. @ 25°C		16.7 Ω
Rating - Duty		40C AMB-CONT		Temp. Rise @ Rated Load		71°C		
S.F. Amps		4/2		Temp. Rise @ S.F. Load		85°C		

Load Characteristics 460 V, 60 Hz, 1 HP

% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor	37	53	68	76	77	76	77
Efficiency	61.2	72.1	76.8	77.7	77.2	76.2	77.2
Speed	3558	3524	3476	3434	3390	3349	3390
Line amperes	1.17	1.25	1.45	1.65	1.9	2.15	1.9

ABB Motors and Mechanical Inc.

WINDING # 34WG0282

Typical performance - not guaranteed values.

1 HP 3 PH 60 HZ 3450 RPM 460 V 3416M

TORQUES (LB-FT): PO=6.5 PU=5.2 LR=5.5 LRA=11

