



Customer information packet

CEM4400T-5

100HP, 1785RPM, 3PH, 60HZ, 405TC, TEFC, F1

Class - None

Division - Not Applicable

Specifications

Enclosure	TEFC
Frame	405TC
Frame Material	Iron
Frequency	60.00 Hz
Haz Area Class and Group	None
Haz Area Division	Not Applicable
Motor Letter Type	Three Phase
Output @ Frequency	100.000 HP @ 60 HZ
Phase	3
Synchronous Speed @ Frequency	1800 RPM @ 60 HZ
Voltage @ Frequency	575.0 V @ 60 HZ
Agency Approvals	CCSAUSEEV
Ambient Temperature	40 °C
Auxillary Box	No Auxillary Box
Base Indicator	Rigid
Bearing Grease Type	Polyrex EM (-20F +300F)
Current @ Voltage	89.600 A @ 575.0 V
Design Code	B
Drip Cover	No Drip Cover
Duty Rating	CONT
Efficiency @ 100% Load	95.4 %
Feedback Device	NO FEEDBACK
Heater Indicator	No Heater
High Voltage Full Load Amps	89.6 a
Insulation Class	F
Inverter Code	Inverter Ready
IP Rating	NONE
KVA Code	G
Lifting Lugs	Standard Lifting Lugs
Motor Lead Quantity/Wire Size	3 @ 2 AWG
Motor Standards	NEMA
Motor Type	A40064M

Part detail

Revision	G
Type	AC
Mech. spec.	
Base	
Status	PRD/A
Elec. spec.	A40WG0665
Layout	611740-003-SH1
Eff. date	09-04-2024
CD Diagram	416820-036
Poles	04
Leads	3#2
Proprietary	False
Created date	08-08-2014

Mounting Arrangement	F1
Number of Poles	4
Overall Length	38.31 IN
Power Factor	87
Product Family	General Industrial
Pulley End Bearing Type	Ball
Pulley Face Code	C-Face
Service Factor	1.15
Shaft Diameter	2.875 IN
Shaft Ground Indicator	No Shaft Grounding
Shaft Rotation	Reversible
Shaft Slinger Indicator	No Slinger
Speed	1785 rpm
Speed Code	Single Speed
Starting Method	Direct on line
Thermal Device - Bearing	None
Thermal Device - Winding	None

Nameplate

NP2496L	
MOBIL POLYREX EM	

NP2349L

SPEC NO.	A40-6213-0665			CAT.NO.	CEM4400T-5					FRAME	405TC	
HP	100	VOLTS	575		PHASE	3	DESIGN	B	TYPE	P		
RPM	1785	AMPS	89.6		HZ	60	AMB	40	SF	1.15		
DRIVE END BEARING	80BC03J30X		DUTY	CONT	INSUL.CLASS			F				
OPP D.E. BEARING	80BC03J30X		ENCL	TEFC	CODE	G						
SER.NO.				POWER FACTOR	87	NEMA-NOM-EFFICIENCY				95.4		
						MAX CORR KVAR	18	GUARANTEED EFFICIENCY			94.5	
						NEMA NOM/CSA QUOTED EFF						
									MOTOR WEIGHT			

DUTY MASTER ALTERNATING CURRENT MOTORS

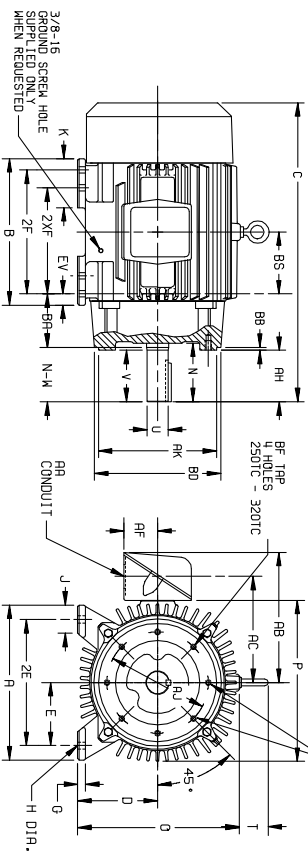
SQUIRREL-CAGE INDUCTION

SQUIRREL-CAGE INDUCTION MOTOR

COOLING: FAN COOLED

ENCLOSURE: TOTALLY ENCLOSED
MOUNTING: FOOT, NEMA "C" FACE

FRAMES 250TC THRU 440TC



DIMENSIONS ARE IN INCHES. SEE SHEET 2 FOR DIMENSIONS IN MILLIMETERS.

FRAME	A	D(2)	E	G	H	J	K	EV	O	P	T	STEEL TERMINAL BOX										(6)
												AA	AB	AC	AF	BA	BB	BD	BF	PERN	JA	
254TC-26RIC	12.50	6.25	5.00	.75	.56	2.50	—	—	1.00	13.25	14.88	2.44	11	7.0	7.5	8.75	2.25	1.25	1.75	7.25	6.00	10.50
254TC-26RIC	13.75	7.00	5.50	.80	.60	2.50	—	—	1.00	14.55	16.22	2.44	11	7.0	7.5	8.75	2.25	1.25	1.75	7.25	6.00	10.50
404TC-405RC	9.00	5.00	4.00	.60	.40	2.50	—	—	1.00	14.55	16.22	2.44	11	7.0	7.5	8.75	2.25	1.25	1.75	7.25	6.00	10.50
404TC-405RC	9.00	5.00	4.00	.60	.40	2.50	—	—	1.00	14.55	16.22	2.44	11	7.0	7.5	8.75	2.25	1.25	1.75	7.25	6.00	10.50
404TC-405RC	19.00	10.00	8.00	1.12	.81	3.25	4.45	1.13	21.31	22.50	2.94	5	19.31	15.00	5.53	6.62	2.51	3.00	5.75	11.00	12.50	12.50
444TC-445RC	21.00	11.00	9.00	1.12	.81	3.25	5.25	1.25	23.35	25.25	3.25	3	23.35	18.12	6.50	7.50	2.51	6.75	5.75	11.00	12.50	12.50

CUSTOMER IS RESPONSIBLE FOR DETERMINING THAT MOTOR PERFORMANCE IS SUITABLE IN THE APPLICATION.

REV. DESC: REMOVEING TITLE BLOCK		
REV. LTR: A	VERSION: 01	TDR: 000000441900
FILE: \RAG\00003\380	REVISED: 09:15:38 08/28/2007	BY: RAGRHX
MT: -		

Baldor • Dodge • Reliance

DIM SHEET 250TC THRU 440TC

611740-003-SH1

416820-036

A-C MOTOR
CONNECTION DIAGRAM
STANDARD 3 LEAD CONNECTED



(N.P. 1575-BA)

416820-036

REV. DESC: LOADED TO BUS, C/R 335225			BALDOR CONN DIAG - STANDARD 3 LEAD SH 1 of 1
REV. LTR: -	VERSION: 00	TDR: 000000538207	
FILE: \MGA\00000\682		REVISED: 11: 54: 06 04/30/2010	
MTL: -		BY: RAGRA	