

Inverter (Vector) Duty Motors

Model No: 182THTY7726

Catalog No: Y541A

Inverter (Vector) Duty Motor, 3 HP, 3 Ph, 60 Hz, 230/460 V, 1800 RPM, 182TC Frame, TENV

Product Information Packet: Model No: 182THTY7726, Catalog No: Y541A Inverter (Vector) Duty Motor, 3 HP, 3 Ph, 60 Hz, 230/460 V, 1800 RPM, 182TC Frame, TENV

Nameplate Specifications

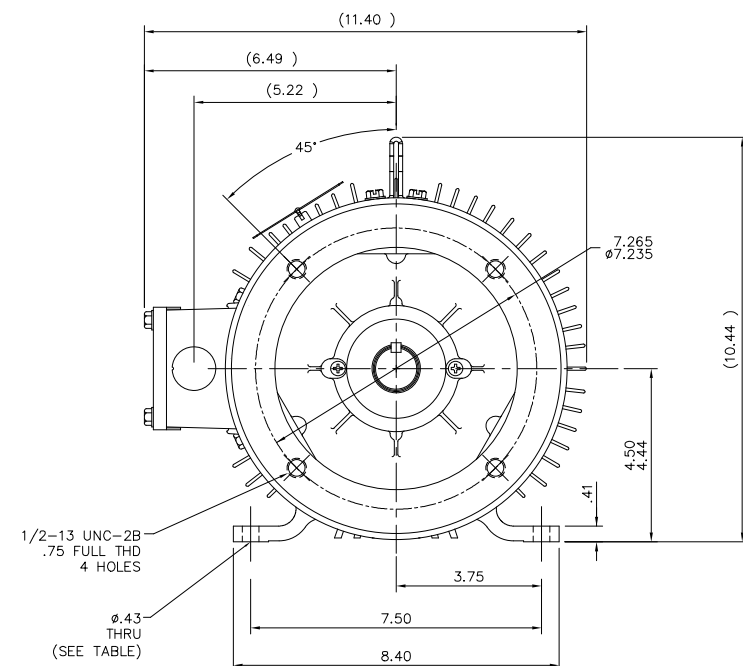
Phase	3	Output HP	3 Hp
Output KW	2.2 kW	Voltage	230/460 V
Speed	1755 r/min	Synchronous RPM	1800 r/min
Service Factor	1.00	Frame	182TC
Enclosure	Totally Enclosed Non Ventilated	Thermal Protection	Thermostat
Efficiency	87.5 %	Ambient Temperature	40 °C
Frequency	60 Hz	Current	8.2/4.1 A
Power Factor	78.5	Duty	Continuous
Insulation Class	F	Design Code	INV
KVA Code	N	Drive End Bearing Size	6207
Opp Drive End Bearing Size	6206	UL	Recognized
CSA	Y	CE	Y
IP Code	43	Number of Speeds	1

Technical Specifications

Electrical Type	Squirrel Cage Inverter Duty	Starting Method	Inverter Only
Poles	4	Rotation	Selective Clockwise
Resistance Main	0 O	Mounting	Rigid Base
Motor Orientation	Horizontal	Drive End Bearing	Ball
Opp Drive End Bearing	Ball	Frame Material	Aluminum
Shaft Type	T	Overall Length	16.19 in
Frame Length	9.5 in	Shaft Diameter	1 1/8 in
Shaft Extension	2.62 in	Assembly/Box Mounting	F1/F2 Capable
Inverter Load	Constant 1000:1		

Drawings

Connection Drawing	005010.20ME	Outline Drawing	036119ME-950
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950	16.19	2.00	9.3	11.26	12
DASH NO	"C"	"AD"	"B"	"AG"	FOOT HOLES

OUTLINE

DRAWING REVISION B		REVISION BY SB		REV DATE/ © DATE 07/23/2025		TOLERANCES (EXCEPT AS NOTED): DEC. INCH mm ANGLE .X ±0.1 [±3] ±7° 30' .XX ±0.03 [±0.8] .XXX ±0.005 [±0.13] .XXXX ±0.0005 [±0.013]			DRAWN BY PVR							
REQUEST NUMBER CR-0023556		APPROVED BY SBD		DATE 07/23/2025		REMOVE BURRS & BREAK SHARP EDGES: .003/.015 [.08/.38] X 45 ° CORNER FILLETS: R.02 [5] MACHINED SURFACES: INCH 200 / mm 5.1			DATE 02/03/15				DESCRIPTION OUTLINE 182/184T-RIGID-TENV-C FACE			
REQUEST NUMBER DESCRIPTION DRAWING TITLE BLOCK UPDATED						THIRD ANGLE PROJECTION 			APPROVED BY ST		MATERIAL		PROCESS/FINISH			
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CERTIFICATION DATA SHEET

Model#: 182THY7726 AA

WINDING#: T84180 NONE 3

CONN. DIAGRAM: 005010.20ME

ASSEMBLY: F1/F2 CAPABLE

OUTLINE: 036119ME-950

TYPICAL MOTOR PERFORMANCE DATA

HP	KW	SYNC. RPM	F.L. RPM	FRAME	ENCLOSURE	KVA CODE	DESIGN
3	2.24	1800	1755	182TC	TENV	N	INV

PH	Hz	VOLTS	FL AMPS	START TYPE	DUTY	INSL	S.F	AMB°C	ELEVATION
3	60	230/460	8.2/4.1	INVERTER ONLY	CONTINUOUS	F4	1.0	40	3300

FULL LOAD EFF: 87.5	3/4 LOAD EFF: 84	1/2 LOAD EFF: 82.5	GTD. EFF	ELEC. TYPE	NO LOAD AMPS
FULL LOAD PF: 78.5	3/4 LOAD PF: 73	1/2 LOAD PF: 61	87.5	SQ CAGE INV DUTY	4.6 / 2.3

F.L. TORQUE	LOCKED ROTOR AMPS	L.R. TORQUE	B.D. TORQUE	F.L. RISE°C
9 LB-FT	92 / 46	34 LB-FT 378	49.3 LB-FT 548	75

SOUND PRESSURE @ 3 FT.	SOUND POWER	ROTOR WK^2	MAX. WK^2	SAFE STALL TIME	STARTS /HOUR	APPROX. MOTOR WGT
62 dBA	72 dBA	0.42 LB-FT^2	0 LB-FT^2	0 SEC.	0	77 LBS.

EQUIVALENT WYE CKT.PARAMETERS (OHMS PER PHASE)

R1	R2	X1	X2	XM
1.578	1.802	2.838	2.091	94.13

RM	ZREF	XR	TD	TD0
0	1	0	0	0

*** SUPPLEMENTAL INFORMATION ***

DE BRACKET TYPE	ODE BRACKET TYPE	MOUNT TYPE	ORIENTATION	SEVERE DUTY	HAZARDOUS LOCATION	DRIP COVER	SCREENS	PAINT
C-FACE	BRAKE OR ENCODER	RIGID	HORIZONTAL	FALSE	NONE	FALSE	NONE	BLACK (ENAMEL)

BEARINGS		GREASE	SHAFT TYPE	SPECIAL DE	SPECIAL ODE	SHAFT MATERIAL	FRAME MATERIAL
DE	OPE						
BALL	BALL						
6207	6206	POLYREX EM	T	NONE	NONE	1144 STRESSPROOF (C-223)	ALUMINUM

THERMO-PROTECTORS				THERMISTORS	CONTROL	SPACE /n HEATERS
THERMOSTATS	PROTECTORS	WDG RTDs	BRG RTDs			
TSTATS (N/C)	NOT	NONE	NONE	NONE	FALSE	NONE VOLTS

If Inverter equals NONE, contact factory for further information

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INVERTER TORQUE: CONSTANT 1000:1	
INV. HP SPEED RANGE: 2.0 X BASE SPEED	
ENCODER: PROVISIONS ONLY	
NONE	NONE
NONE	NONE PPR
BRAKE: PROVISIONS ONLY	NONE

NONE	P/N	NONE	
NONE	NONE		
NONE FT-LB	NONE V	NONE Hz	

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** Subject to change without notice.