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General Purpose Motors

Model No: 256TTDBD6001
Catalog No: GT0064

General Purpose Motor, 25 & 20 HP, 3 Ph, 60 & 50 Hz, 230/460 & 190/380 V, 3600 RPM, 256T Frame, DP

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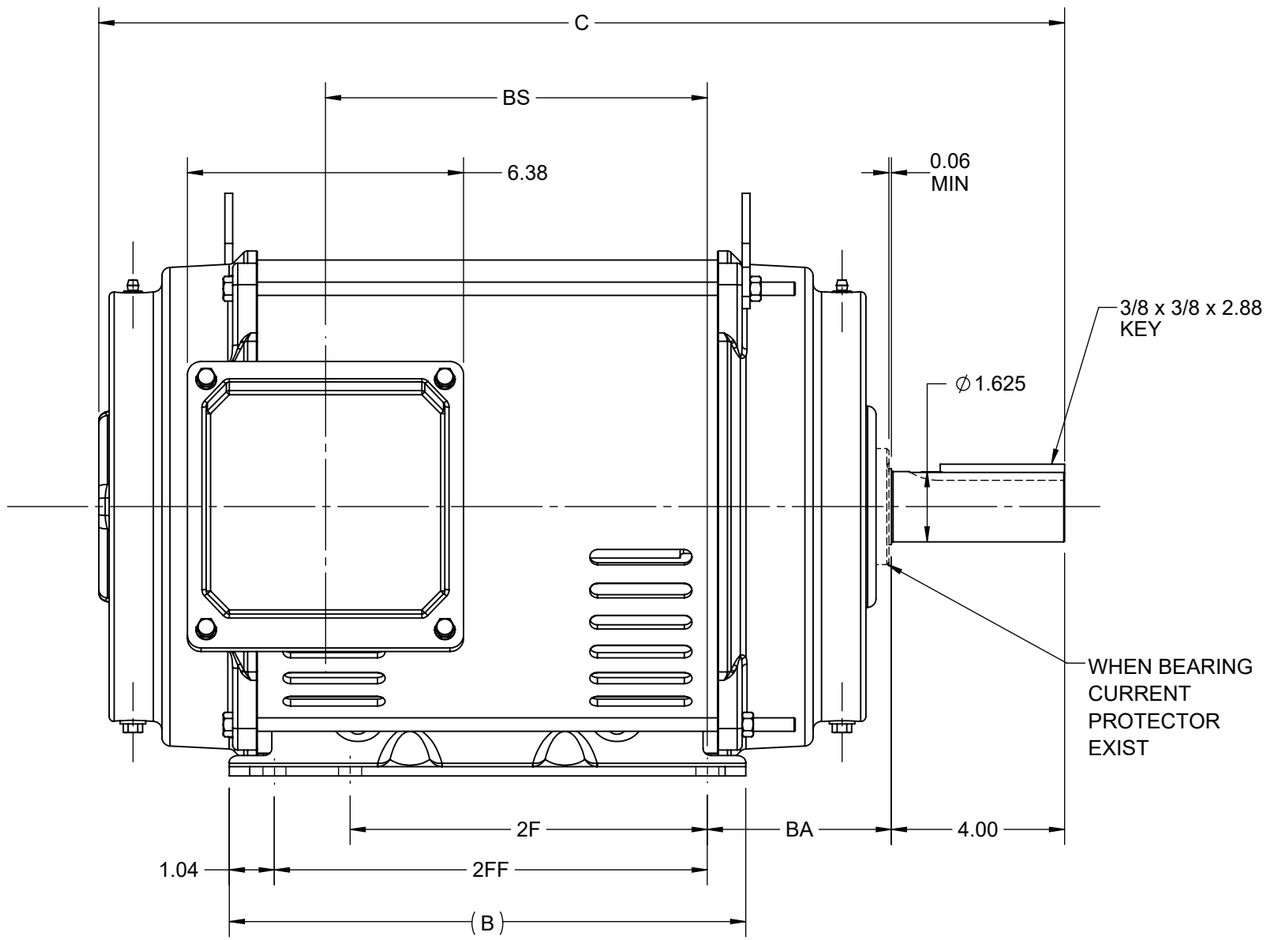
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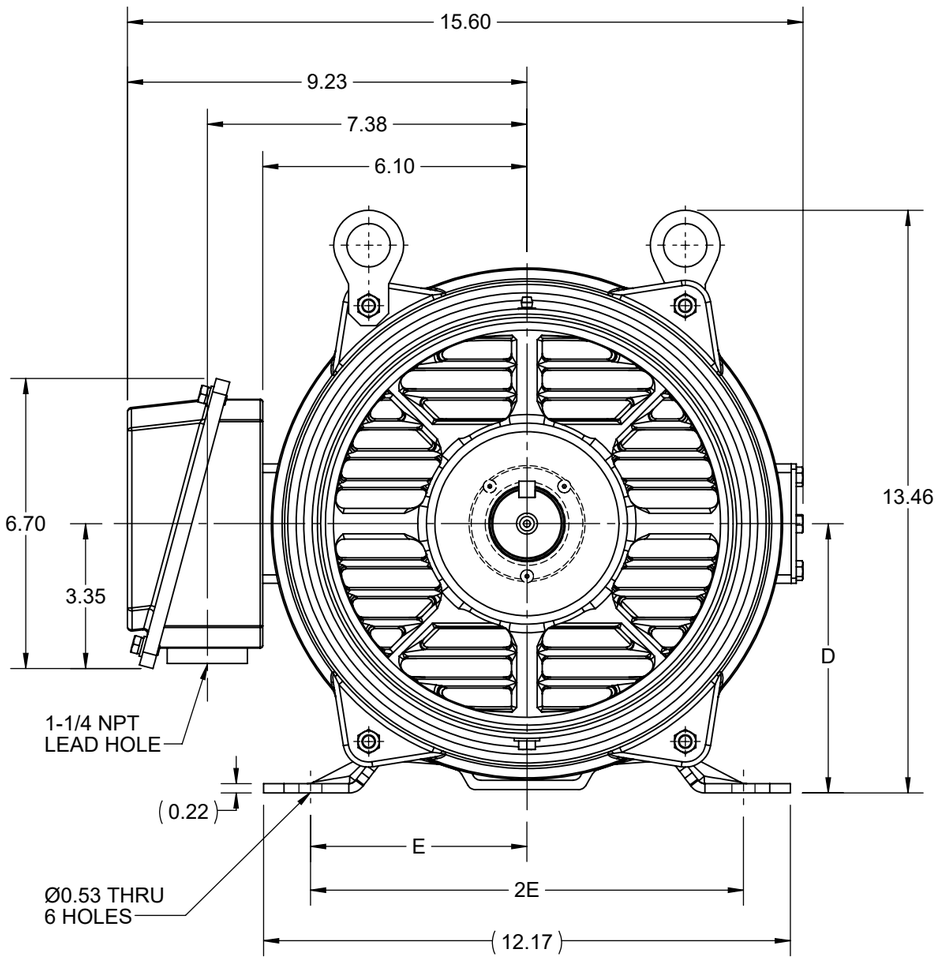
Product Information Packet: Model No: 256TTDBD6001, Catalog No: GT0064 General Purpose Motor, 25 & 20 HP, 3 Ph, 60 & 50 Hz, 230/460 & 190/380 V, 3600 RPM, 256T Frame, DP

Nameplate Specifications			
Phase	**3**	Output HP	**25 & 20 Hp**
Output KW	**18.7 & 14.9 kW**	Voltage	**230/460 & 190/380 V**
Speed	**3556 & 2955 r/min**	Synchronous RPM	**3600 & 3000 r/min**
Service Factor	**1.15 & 1.15**	Frame	**256T**
Enclosure	**Drip Proof**	Thermal Protection	**No Protection**
Efficiency	**91.7 & 91.4 %**	Ambient Temperature	**40 °C**
Frequency	**60 & 50 Hz**	Current	**59.5/29.7 & 58/29 A**
Power Factor	**86**	Duty	**Continuous**
Insulation Class	**F**	Design Code	**B**
KVA Code	**G**	Drive End Bearing Size	**6209**
Opp Drive End Bearing Size	**6208**	UL	**Recognized**
CSA	**Y**	CE	**Y**
IP Code	**22**	Number of Speeds	**1**
Technical Specifications			
Electrical Type	**Squirrel Cage Inverter Rated**	Starting Method	**Wye Start Delta Run Or Inverter**
Poles	**2**	Rotation	**Reversible**
Resistance Main	**.4758 O**	Mounting	**Rigid Base**
Motor Orientation	**Horizontal**	Drive End Bearing	**Ball**
Opp Drive End Bearing	**Ball**	Frame Material	**Rolled Steel**
Shaft Type	**T**	Overall Length	**24.22 in**
Frame Length	**12.2 in**	Shaft Diameter	**1.625 in**
Shaft Extension	**4 in**	Assembly/Box Mounting	**F1/F2 Capable**
Inverter Load	**Constant 2:1/Variable 10:1**		
Drawings			
Connection Drawing	**EE7358**	Outline Drawing	**SS620685-200**

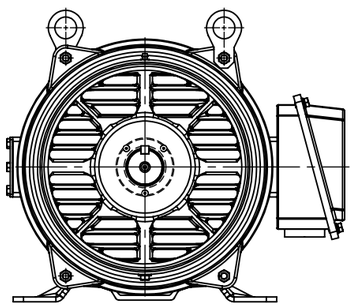
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DASH NO.	B	C	D	E	2E	2F	2FF	BA	BS	MOUNTING	FRAME
100	11.93	22.31	6.25	5.00	10.00	8.25	10.00	4.25	8.82	F1 OR F2	254T
200		23.88							10.45		256T





F2 VIEW



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DRAWING REVISION	REVISION BY	REV DATE/© DATE
E	MN	09/04/2025
REQUEST NUMBER	APPROVED BY	DATE
CR-0023941	VS	09/04/2025

REQUEST NUMBER DESCRIPTION
UPDATED DRAWING VIEW

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]	

REMOVE BURRS & BREAK SHARP EDGES: .003/.015 [.08/.38] X 45°
CORNER FILLETS: R.02 [.5]
MACHINED SURFACES: 200 INCH / 5.1 mm
mm DIMENSIONS IN [BRACKETS] ARE FOR REFERENCE ONLY

DRAWN BY	XZ
DATE	25/02/2016
APPROVED BY	
DATE	
REFERENCE	
THIRD ANGLE PROJECTION	

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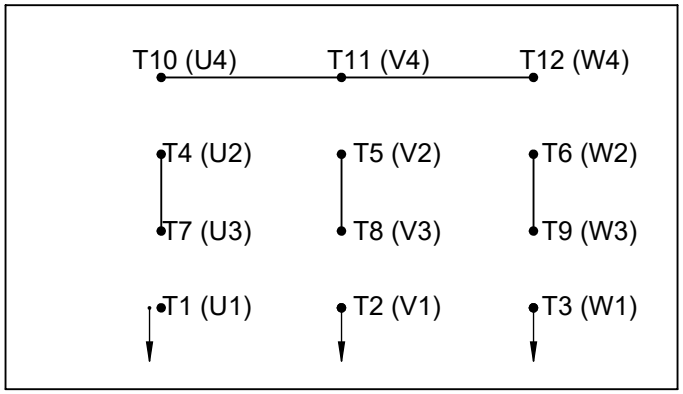
DESCRIPTION
OUTLINE
254/256T FR NEMA ODP RS

MATERIAL | PROCESS/FINISH

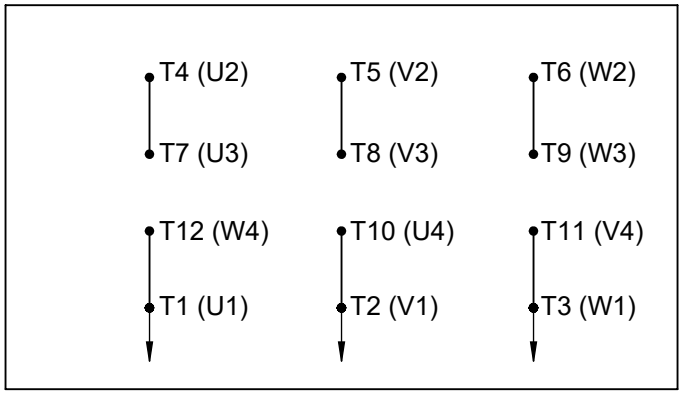
SIZE	DRAWING NUMBER	SHEET
B	SS620685	1 OF 1

HIGH VOLTAGE

WYE START

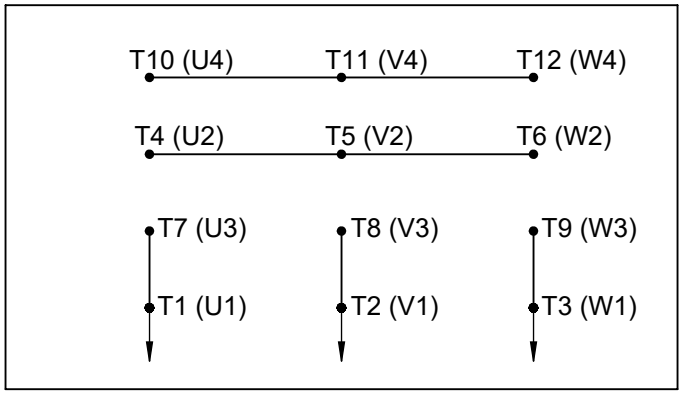


DELTA RUN

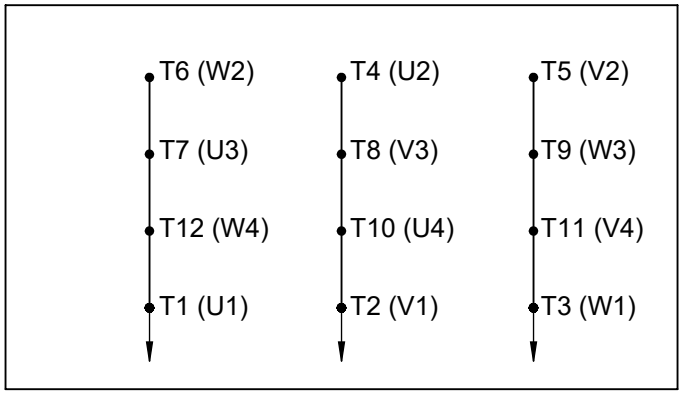


LOW VOLTAGE

WYE START



DELTA RUN



4/2 CKTY △

DRAWING REVISION	REVISION BY	REV DATE/© DATE
E	SB	08/01/2025
REQUEST NUMBER	APPROVED BY	DATE
CR-0023654	SBD	08/01/2025

REQUEST NUMBER DESCRIPTION
DRAWING TITLE BLOCK UPDATED

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PRIMARY DIMENSIONS ARE INCH
mm DIMENSIONS IN [BRACKETS]
ARE FOR REFERENCE ONLY

DRAWN BY	BLR
DATE	03-09-1998
APPROVED BY	GK
DATE	03-23-1998
REFERENCE	
THIRD ANGLE PROJECTION	

marathon™

DESCRIPTION
CONN DIAGRAM-EXTERNAL
12 LEAD - DUAL VOLT. - WYE START - DELTA RUN

MATERIAL	PROCESS/FINISH

SIZE	DRAWING NUMBER	SHEET
A	EE7358	1 OF 1

Data Sheet

Date: 12/1/2021

Customer:

Attention:

Submitted by:

marathon® Motors

256TTDBD6001

Submittal

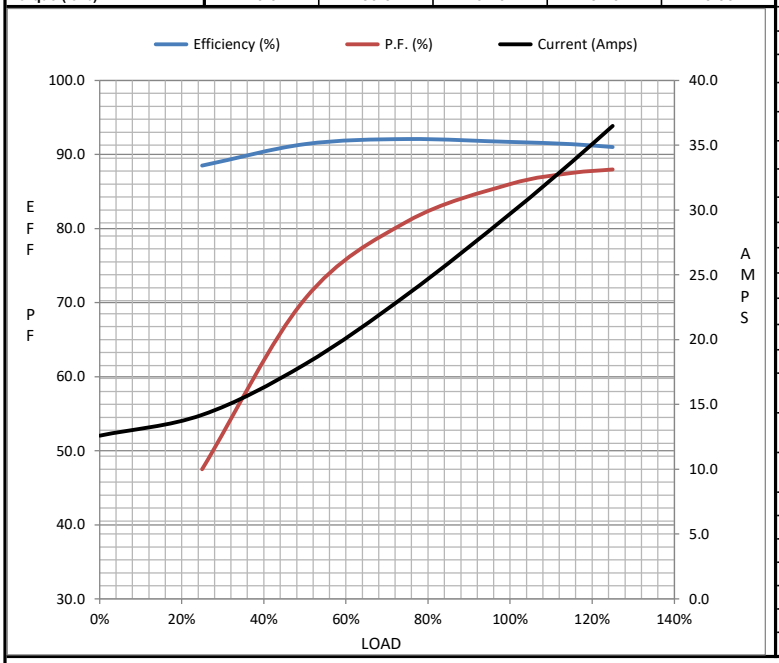
Data @ 460 V

Motor Load Data

Load	0%	25%	50%	75%	100%	115%	125%	LR	
Current (Amps)	12.6	14.2	18.1	23.5	29.7	33.7	36.5	182	
Torque (ft-lb)	0.00	9.2	18.4	27.7	37.0	42.6	46.6	70.0	
RPM	3600	3590	3578	3568	3556	3,550	3545	0	
Efficiency (%)		88.5	91.4	92.1	91.7	91.4	91.0		
P.F. (%)	6.5	47.5	70.5	81.0	86.0	87.5	88.0	40.0	

Motor Speed Data

	LR	Pull-Up	BD	Rated	Idle
Speed (RPM)	0	1800	3345	3556	3600
Current (Amps)	182	175	104	29.7	12.6
Torque (ft-lb)	70.0	59.0	94.0	37.0	0.00



Information Block

HP	25.0
Sync. RPM	3600
Frame	256
Enclosure	DP
Construction	TDB
Voltage	208-230/460#190/380 V
Frequency	60 Hz
Design	B
LR Code letter	G
Service Factor	1.15
Temp Rise @ FL	55 ° C
Duty	CONT
Ambient	40 ° C
Elevation	3,300 feet
Rotor/Shaft wk²	1.30 Lb-Ft²
Ref Wdg	HA31602016 NONE
Sound Pressure @ 1M	75 dBA
VFD Rating	VARIABLE 20:1
Outline Dwg	SS620685-200
Conn. Diag	EE7308K
Additional Specifications:	
0	
0	

EQUIV CKT (OHMS / PHASE)

R1	R2	X1	X2	Xm
0.2950	1111.3200	0.8980	0.7520	22.2490

Speed -Torque Curve

