



NOTE: UNLESS OTHERWISE SPECIFIED, ALL DIMENSIONS ARE IN INCHES. DIMENSIONS IN [] ARE MILLIMETERS.

* FOR IMO PUMP USE.

IMO PUMP USE ONLY: SEE ES 5.11.2 FOR FABRICATION INFORMATION.

ITEM NO.	NEMA MOTOR FRAME	UNITS	COUPLING ITEM CHOICES						DIMENSION				
			AA = LOVEJOY		BB = THOMAS DBZ		CC = THOMAS DBZ-C		C	D*	E*	F	G
			A	B	A	B	A	B					
001	182/184T	INCHES	33.2 / 34.2	0.50	33.3 / 34.3	0.69	36.2 / 37.2	3.5	7.4	0.25	---	7.3	33.5
		[mm]	[842 / 868]	[13]	[846 / 872]	[18]	[918 / 944]	[89]	[188]	[6]	[---]	[184]	[851]
002	213/215T	INCHES	37.4 / 38.9	0.75	37.6 / 39.1	0.94	40.2 / 41.7	3.5	8.4	1.50	---	9.3	39.5
		[mm]	[950 / 988]	[19]	[955 / 993]	[24]	[1020 / 1058]	[89]	[214]	[38]	[---]	[235]	[1003]
003	254/256T	INCHES	42.8 / 44.5	0.88	42.8 / 44.6	0.94	45.4 / 47.2	3.5	9.8	3.00	---	12.3	45.5
		[mm]	[1087 / 1131]	[22]	[1088 / 1133]	[24]	[1153 / 1198]	[89]	[248]	[76]	[---]	[311]	[1156]
004	284/286TS	INCHES	44.7 / 46.2	0.88	44.7 / 46.2	0.94	47.3 / 48.8	3.5	10.5	3.00	---	12.3	45.5
		[mm]	[1134 / 1172]	[22]	[1136 / 1174]	[24]	[1201 / 1239]	[89]	[267]	[76]	[---]	[311]	[1156]
005	284/286T	INCHES	46.2 / 47.7	1.00	46.1 / 47.6	0.94	48.7 / 50.2	3.5	10.5	3.00	---	12.3	45.5
		[mm]	[1172 / 1211]	[25]	[1171 / 1209]	[24]	[1236 / 1274]	[89]	[267]	[76]	[---]	[311]	[1156]

ITEM NO.	NEMA MOTOR FRAME	UNITS	DIMENSION											APPROX UNIT WT LB / [kg]	
			H	J	K*	L	M*	N*	P	R*	S	T*	V		W
001	182/184T	INCHES	5.0	10.0	6.5	36.0	---	---	0.3	14.8	2.89	---	12.8	7.8 / 8.3	280
		[mm]	[127]	[254]	[165]	[914]	[---]	[---]	[6]	[375]	[73]	[---]	[324]	[197 / 210]	[127]
002	213/215T	INCHES	6.0	12.0	7.1	42.0	---	---	1.00	14.8	3.17	---	14.4	9.7 / 10.4	380
		[mm]	[152]	[305]	[179]	[1067]	[---]	[---]	[25]	[375]	[81]	[---]	[366]	[245 / 264]	[173]
003	254/256T	INCHES	7.5	15.0	7.1	48.0	---	---	2.00	14.8	3.52	---	16.9	12.4 / 13.3	560
		[mm]	[191]	[381]	[179]	[1219]	[---]	[---]	[51]	[375]	[89]	[---]	[429]	[314 / 337]	[255]
004	284/286TS	INCHES	7.5	15.0	6.5	48.0	---	---	2.75	14.8	3.52	---	18.3	12.8 / 13.5	715
		[mm]	[191]	[381]	[165]	[1219]	[---]	[---]	[70]	[375]	[89]	[---]	[464]	[324 / 343]	[325]
005	284/286T	INCHES	7.5	15.0	6.5	48.0	---	---	2.75	14.8	3.52	---	18.3	14.1 / 14.9	715
		[mm]	[191]	[381]	[165]	[1219]	[---]	[---]	[70]	[375]	[89]	[---]	[464]	[359 / 378]	[325]

DRAWING CERTIFICATION

CUSTOMER NAME -----

CUSTOMER PO NUMBER -----

CUSTOMER PART NUMBER -----

UNIT BILL OF MAT'L NO.-----

PUMP TYPE -----

ITEM NUMBER -----

DRIP RIM -----

COUPLING TYPE -----

SHAFT ROTATION -----

INLET PORT POSITION ---

INLET ADAPTER OPTION --

OUTLET ADAPTER OPTION -

MOTOR MANUFACTURER -----

MOTOR TYPE -----

FRAME SIZE -----

POWER -----

ROTATING SPEED -----

PHASES -----

FREQUENCY -----

VOLTAGE -----

MOTOR WEIGHT -----

CONDUIT BOX POSITION --

MOTOR INSTALLED BY ----

CERTIFIED BY -----

CERTIFICATION DATE ----

IMO ORDER NUMBER -----

CERTIFICATION REV. NO.---

OTHER INFORMATION

- NOTES --**
- THIS IS A STANDARD PRE-ENGINEERED UNIT OUTLINE. ANY CHANGES OUTSIDE THE CERTIFICATION BLOCK WILL REQUIRE A NEW DRAWING ASSIGNMENT.
 - APPROXIMATE WEIGHT DOES NOT INCLUDE OPTIONAL ADAPTERS.
 - ALTERNATE PORT POSITIONS ARE PROVIDED IF SPECIFIED ON ORDER. AVAILABLE POSITIONS ARE STD, #1 AND #2.
 - DRIVER DIMENSIONS MAY VARY WITH TYPE AND MAKE OF DRIVER.
 - STANDARD SHAFT ROTATION IS CLOCKWISE WHEN FACING COUPLING END OF PUMP.
 - REVIEW GENERAL INSTRUCTION MANUAL FOR ALIGNMENT, PIPING, INLET STRAINER, DISCHARGE RELIEF VALVE, SEAL VENT, ETC., CONSIDERATIONS BEFORE INSTALLING AND OPERATING UNIT.

MAXIMUM ALLOWABLE FORCES AND MOMENTS ON PORTS

- COORDINATE SYSTEM FOR MAXIMUM PORT FORCES (F) MOMENTS (M).
- FORCE AND MOMENT VALUES ARE RELATIVE TO CENTER OF INLET AND OUTLET PORT FACES.

	FORCE	LB-F	[N]	MOMENT	LB-FT	[N-m]
INLET	FX	56.3	[250]	MX	93.8	[127]
	FY	56.3	[250]	MY	93.8	[127]
	FZ	56.3	[250]	MZ	93.8	[127]
OUTLET	FX	37.5	[169]	MX	62.5	[84.7]
	FY	37.5	[169]	MY	62.5	[84.7]
	FZ	37.5	[169]	MZ	62.5	[84.7]

REV. NO.	ECR NO.	DATE	APPROVED BY
1	01-0287	6/20/01	D. Mashburn

	DRAWN BY	DATE	APPROVED BY	DATE	STANDARD UNIT OUTLINE DRAWING			
	D.Mashburn	4/25/01	M.Vena	5/4/01	STEEL CASE FOOT MOUNT 3E187/200			
	CHECKED BY	DATE	FIRST ORDER NUMBER	CAGE CODE	DWG SIZE	SHEET	DWG NUMBER	
	M.Vena	5/4/01	EB122A	59180	B	1 of 1		SDD20072