



W - INLET  
 W' - DISCHARGE  
 AD - MAXIMUM SHEAVE WIDTH  
 (SEE OVERHUNG LOAD LIMIT K-24102)  
 AE - MINIMUM SHEAVE DIAMETER  
 (SEE OVERHUNG LOAD LIMIT K-24102)  
 ALL DIMENSIONS IN INCHES

INLET & DISCHARGE FLANGES TO MATE FLUSH & SQUARE WITH FLAT FACE FLANGE ONLY. USE FULL FACE GASKETS.  
 V-BELT DRIVEN UNITS: MOTOR TO BE LOCATED ON INLET SIDE OF BLOWER.

- A 5048V
- C 5420V
- D 5560V
- E 5767V
- F 5986V
- G 6186V

FLG	5"	6"	8"	10"
OPENING	5"	6"	8"	10"
BOLT CIRCLE	8.50	9.50	11.75	14.25
FLANGE O.D.	10.00	11.00	13.50	16.00
No TAPPED HOLES	8	8	8	12
SIZE HOLES	3/4-10	3/4-10	3/4-10	7/8-9
TAP DEPTH	1.13	1.13	1.13	1.13

FRAME SIZE	A	A'	B	C	D	D'	E	E'	F	G	H	J	K	M	N	O	P	R	S	U	V	KEYWAY	W	W'	INLET AA	DISCH AA'	AB	AD	AE	AF	APPROX WEIGHT
404	8.00	11.00	8.75	18.50	11.25	7.50	2.50	4.75	3.75	.38	.44	2.50	2.00	5.95	3.48	16.63	14.50	9.00	4.50	1.50	2.75	.375X.188	3"NPT	3"NPT	7.25	7.25	7.63	3.06	7.10	15.25	260
406	"	"	10.75	20.50	"	"	"	"	4.75	"	"	"	"	6.95	"	"	"	"	"	"	"	"	4"NPT	4"NPT	"	"	"	"	"	"	300
409	"	"	13.75	23.50	"	"	"	"	6.25	"	"	"	"	8.45	"	"	"	"	"	"	"	"	5"NPT	5"NPT	"	"	"	"	"	"	350
412	"	"	16.75	26.50	"	"	"	"	7.75	"	"	"	"	9.95	"	"	13.00	"	"	"	"	"	6"FLG	5"FLG	6.00	7.00	"	"	"	"	400
418	"	"	22.75	32.50	"	"	"	"	10.75	"	"	"	"	12.95	"	"	14.00	"	"	"	"	"	8"FLG	6"FLG	7.00	"	"	"	"	"	500
616	9.00	15.00	20.75	32.19	15.00	9.00	3.50	6.50	9.75	.38	.56	2.50	2.00	12.41	4.30	22.00	16.25	12.00	6.00	2.00	3.63	.500x.250	8"FLG	6"FLG	7.50	8.75	10.00	4.44	8.50	20.00	700
624	"	"	28.75	40.19	"	"	"	"	13.75	"	"	"	"	16.41	"	"	17.50	"	"	"	"	"	10"FLG	8"FLG	8.75	"	"	"	"	"	910

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MFG. REF.:		SPEC SECTION:				ENGINEER CO.:				MAT'L:		PATT. No.		GEOMETRIC TOLERANCE PER: EP938		ORDER No.	
UPDATED TO HOWDEN BRANDING		MPM	1/7/16	16883V	MNM	CERTIFIED				DR. RDR	DIMENSIONAL TOLERANCES PER UNLESS OTHERWISE SPECIFIED T1		DO NOT SCALE FOR DIMENSIONS ALL DIMENSIONS SHOWN IN BRACKETS [ ] ARE MILLIMETERS				
ADDED 'INLET' & 'DISCHARGE'		RDR		6484V		PURCHASE ORDER:				CHKD.BMS	T1: TWO PLACE DECIMALS (.XX) ±.015 THREE PLACE DECIMALS (.XXX) ±.005 FRACTIONAL ±1/64		T2: ANCHOR BOLT LOCATIONS ±.13 BLOWER INLET & DISCHARGE LOCATIONS ±.25 ALL OTHER DIMENSIONS REFERENCE		FINISH IN μ INCHES		
REV DIM 'H' ON 600		RDR		6294V	BMS	AGP	LOCATION:				APP. RDA					THIRD ANGLE PROJECTION	
REV DIM 'AF' ON 600		RDR		6260V	BMS	AGP	EQUIPMENT No.:				DBV.						
							CERTIFIED BY:										
							DATE (M/D/Y):										
REVISIONS		BY	DATE M/D/Y	CHANGE NOTICE	CHKD	APP	CAD FORMAT AUTO CAD		CAD FILE / DIRECTORY 78389A21 / XXAD		SCALE NTS	DATE M/D/Y					

**Howden**  
 Connersville, IN USA  
 P: 765-827-9200 F: 765-827-9266

**400/600 SERIES RAM**  
 (WHISPAIR) RAM-J/RAM-GJ & RAM-VJ

**78389021**  
 SHEET 1 OF 1

REV L