

**FPZ**  
BLOWER TECHNOLOGY

# SERIES -MD GVR



**IE2 VERSION**

## TECHNICAL CHARACTERISTICS

- Aluminium alloy construction
- High efficiency impeller

## OPTIONS

- Special Voltages (IEC 60038)
- Surface treatments
- Increased seal version



Data sheet


LATERAL CHANNEL BLOWERS-EXHAUSTERS

COMPANY WITH QUALITY MANAGEMENT  
SYSTEM CERTIFIED BY DNV  
= ISO 9001:2008 =



**PRESSURE**

Model	N 2900rpm [kW]	N 3500rpm [kW]	Q <sub>max</sub> 2900rpm [m <sup>3</sup> /h]	Q <sub>max</sub> 3500rpm [m <sup>3</sup> /h]	Size <sup>3</sup>	ΔP <sub>max</sub> 2900rpm [hPa](mbar)	ΔP <sub>max</sub> 3500rpm [hPa](mbar)	Leq <sup>1</sup> 2900rpm (Lp)[dB(A)]	Leq <sup>1</sup> 3500rpm (Lp)[dB(A)]	Weight <sup>2</sup> max [kg]
K07R-MD	22	22	181	219	90B5	275	150	71,5	73,5	45,5
	3	3	181	219	100B5	400	275	72	74	45,5
	4	4	181	219	112B5	575	400	72,5	74,5	45,5
	5,5	5,5	181	219	132B5	650	600	73	75	50
	7,5	7,5	181	219	132B5	650	650	73	75,5	50
K08R-MD	3	3	236	285	100B5	250	125	73,9	75,9	48,5
	4	4	236	285	112B5	375	225	74,2	76,2	48,5
	5,5	5,5	236	285	132B5	550	375	74,6	76,6	51,5
	7,5	7,5	236	285	132B5	650	600	75	77	51,5
K09-MD	5,5	5,5	310	374	132B5	425	275	76	78	65,5
	7,5	7,5	310	374	132B5	650	450	77,5	79,5	65,5
	11	11	310	374	132B5/160B5	725	725	78,5	81,3	68
K10-MD	5,5	5,5	386	466	132B5	325	200	77,9	79,9	68,5
	7,5	7,5	386	466	132B5	500	325	78,3	80,3	68,5
	11	11	386	466	132B5/160B5	725	600	79,4	81,4	71
	15	15	386	466	132B5/160B5	725	725	79,4	82	71
K11-MD	5,5	5,5	430	519	132B5	250	-	78,8	-	73
	7,5	7,5	430	519	132B5	400	225	79,1	81,1	73
	11	11	430	519	132B5/160B5	650	450	79,7	81,7	75
	15	15	430	519	132B5/160B5	725	675	80	82	75
	18,5	18,5	430	519	160B5	725	725	80	82,3	75
K12-MD	7,5	-	473	570	132B5	225	-	80	-	76,5
	11	11	473	570	132B5/160B5	450	250	80,6	82,6	76,5
	15	15	473	570	132B5/160B5	650	400	80,9	82,9	78,5
	18,5	18,5	473	570	160B5	650	600	80,9	83,2	78,5

 **ELECTRIC MOTORS IE2:** 3phase motor only, starting from 0,75KW

**INSTALLATION**

- For proper use, the blower should be equipped with INLET FILTER and Flow Relief VALVE; other accessories available on request.
- Ambient temperature from -15° to +40°C (+5° to +104° F).
- Specifications subject to change without notice.
- Before installation read carefully all instructions.

<sup>1</sup> Noise measured at 1 m distance with inlet and outlet ports piped, in accordance to ISO 3744.

<sup>2</sup> Value refers to the weight of the machine with 3 Phase motor if MOR range, without motor if GOR or GVR range.

<sup>3</sup> Electric motor's construction form.

N: Installed motor power

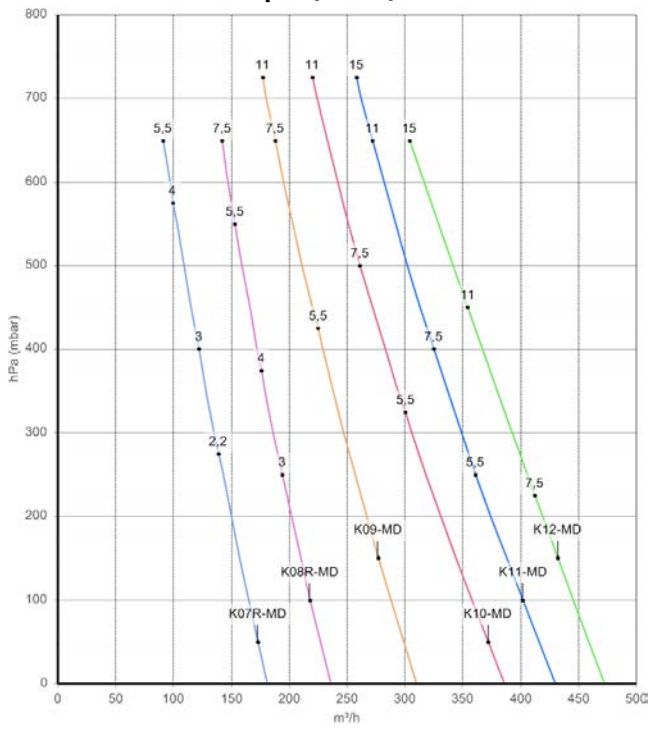
Q: Flow rate

ΔP: Differential pressure

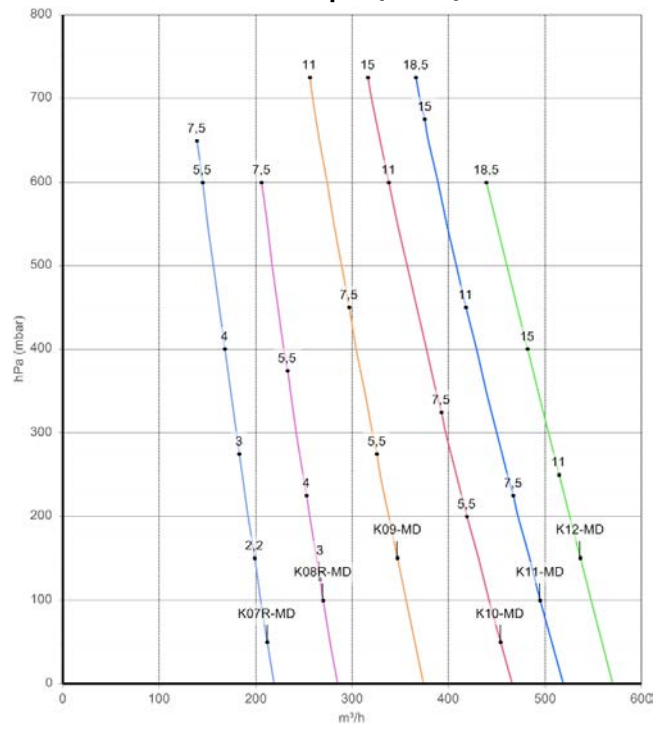
Leq: Noise level

## PRESSURE

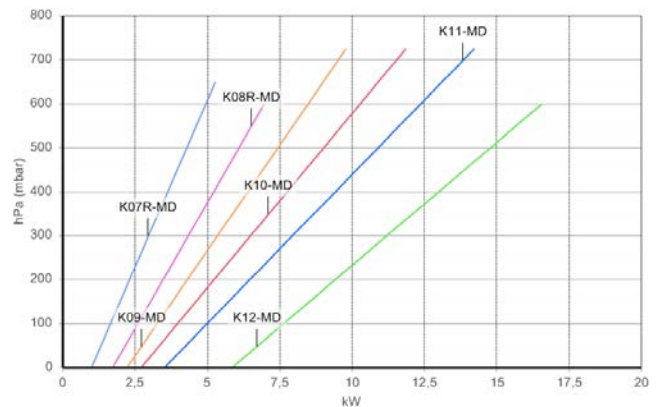
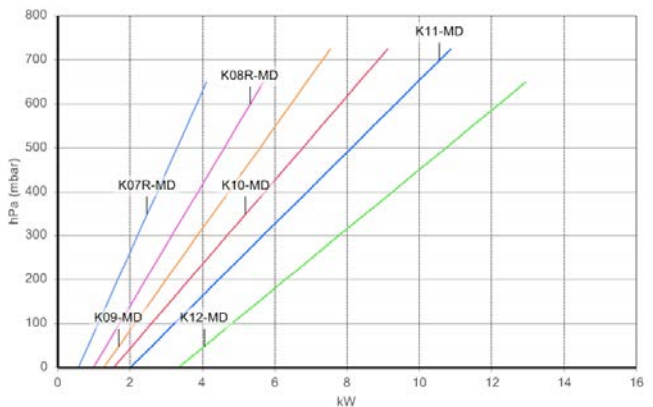
2900 rpm (50 Hz)



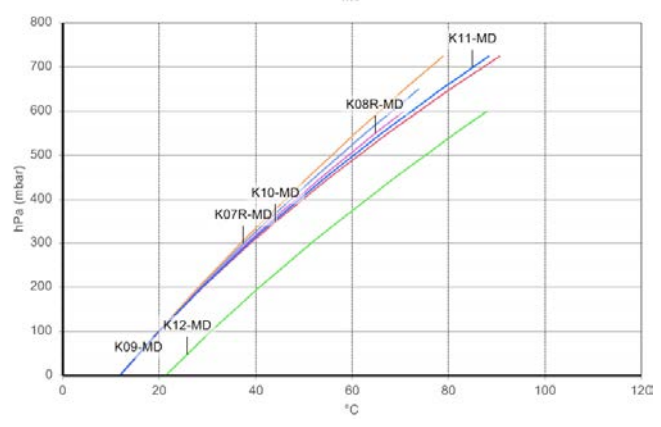
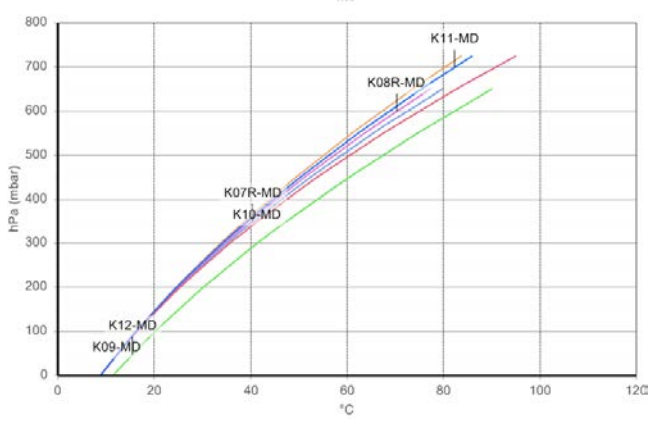
3500 rpm (60 Hz)



FLOW RATE



ABSORBED POWER



TEMPERATURE INCREASE

Curves refer to air at 20°C (68° F) temperature and 1013 mbar (29.92 In Hg) atmospheric pressure (abs) measured at inlet port.  
 Values for flow, power consumption and temperature rise: ±10% tolerance.  
 Data can change without prior notice.

**VACUUM**

Model	N 2900rpm [kW]	N 3500rpm [kW]	Q <sub>max</sub> 2900rpm [m <sup>3</sup> /h]	Q <sub>max</sub> 3500rpm [m <sup>3</sup> /h]	Size <sup>3</sup>	ΔP <sub>max</sub> 2900rpm [hPa](mbar)	ΔP <sub>max</sub> 3500rpm [hPa](mbar)	Leq <sup>1</sup> 2900rpm (Lp)[dB(A)]	Leq <sup>1</sup> 3500rpm (Lp)[dB(A)]	Weight <sup>2</sup> max [kg]
K07R-MD	22	22	181	219	90B5	275	150	70,5	72,5	45,5
	3	3	181	219	100B5	400	275	71	73	45,5
	4	4	181	219	112B5	450	400	71,5	73,5	45,5
	5,5	5,5	181	219	132B5	450	450	71,5	74	50
	7,5	7,5	181	219	132B5	-	-	-	-	50
K08R-MD	3	3	236	285	100B5	250	125	73,4	75,4	48,5
	4	4	236	285	112B5	375	225	73,7	75,7	48,5
	5,5	5,5	236	285	132B5	450	375	74,1	76,1	51,5
	7,5	7,5	236	285	132B5	450	450	74,1	76,5	51,5
K09-MD	5,5	5,5	310	374	132B5	425	275	75,5	77,5	65,5
	7,5	7,5	310	374	132B5	450	450	77	79	65,5
	11	11	310	374	132B5/160B5	-	-	-	-	68
K10-MD	5,5	5,5	386	466	132B5	325	200	78,4	80,4	68,5
	7,5	7,5	386	466	132B5	475	325	78,7	80,7	68,5
	11	11	386	466	132B5/160B5	475	475	78,7	81,8	71
	15	15	386	466	132B5/160B5	-	-	-	-	71
K11-MD	5,5	5,5	430	519	132B5	250	-	78,4	-	73
	7,5	7,5	430	519	132B5	400	225	78,7	80,7	73
	11	11	430	519	132B5/160B5	475	450	79	81,3	75
	15	15	430	519	132B5/160B5	475	475	79	81,6	75
	18,5	18,5	430	519	160B5	-	-	-	-	75
K12-MD	7,5	-	473	570	132B5	225	-	79,6	-	76,5
	11	11	473	570	132B5/160B5	450	250	80,2	82,2	76,5
	15	15	473	570	132B5/160B5	450	400	80,2	82,5	78,5
	18,5	18,5	473	570	160B5	450	450	80,2	82,8	78,5

<sup>1</sup> Noise measured at 1 m distance with inlet and outlet ports piped, in accordance to ISO 3744.

<sup>2</sup> Value refers to the weight of the machine with 3 Phase motor if MOR range, without motor if GOR or GVR range.

<sup>3</sup> Electric motor's construction form.

N: Installed power

Q: Flow rate

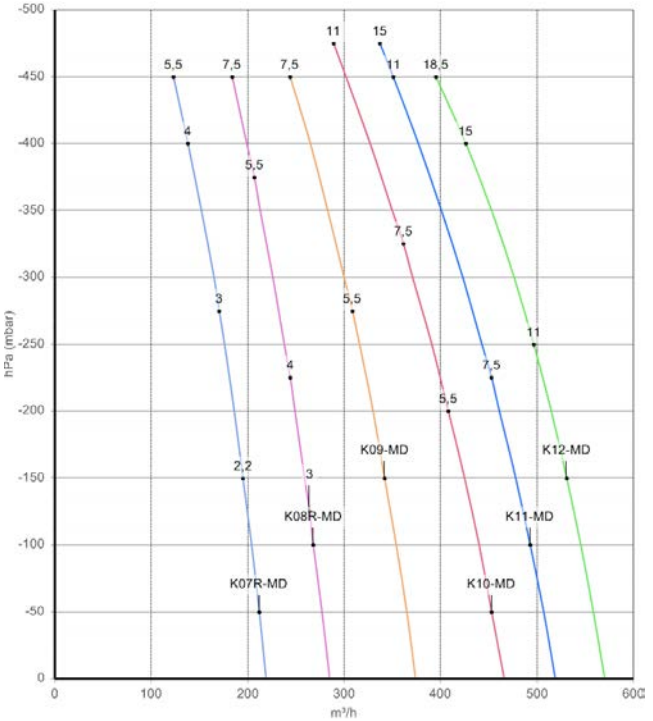
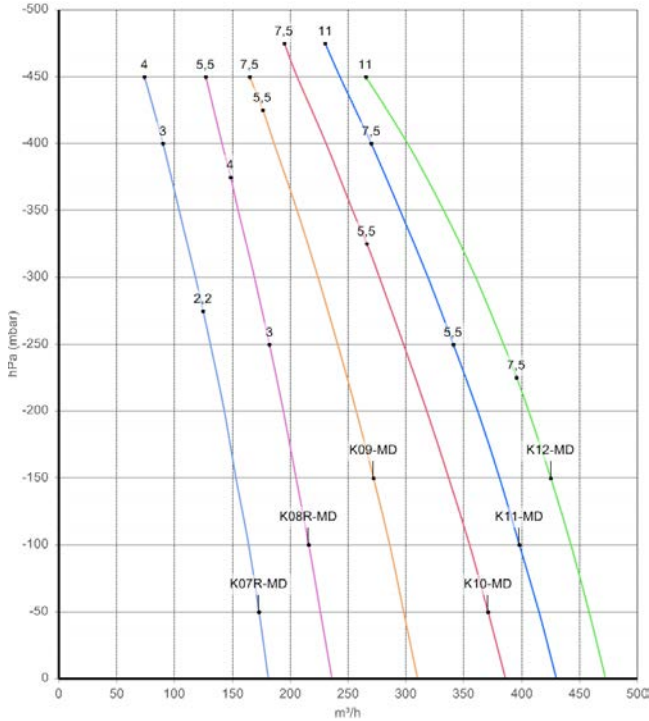
ΔP: Differential pressure

Leq: Noise Level

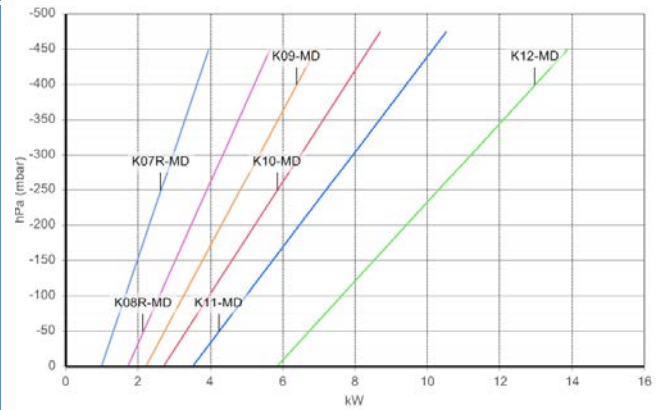
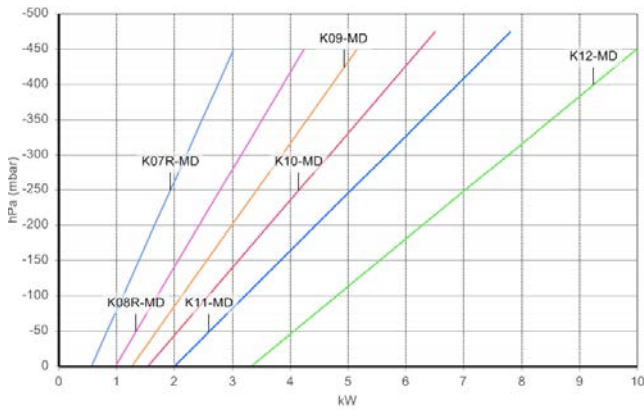
### VACUUM

#### 2900 rpm (50 Hz)

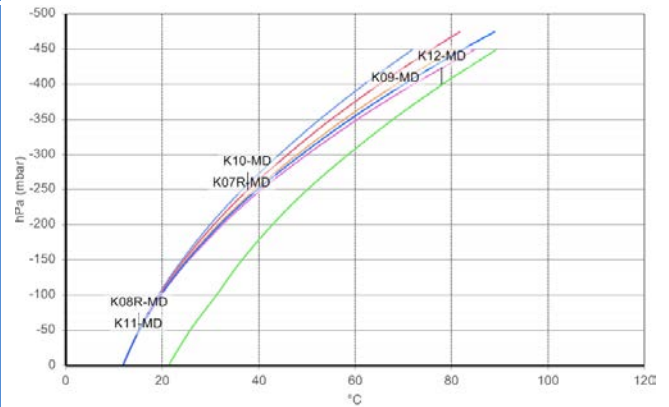
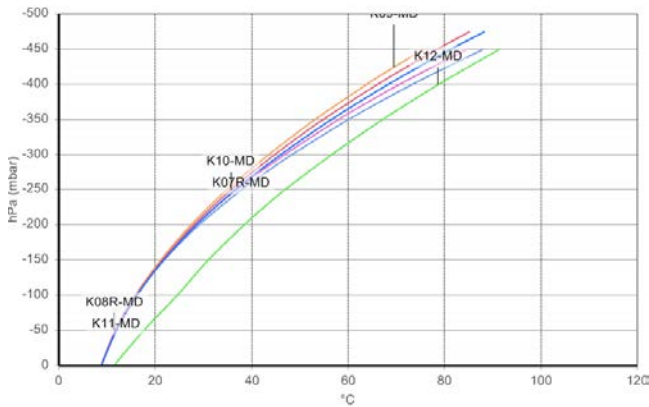
#### 3500 rpm (60 Hz)



FLOW RATE



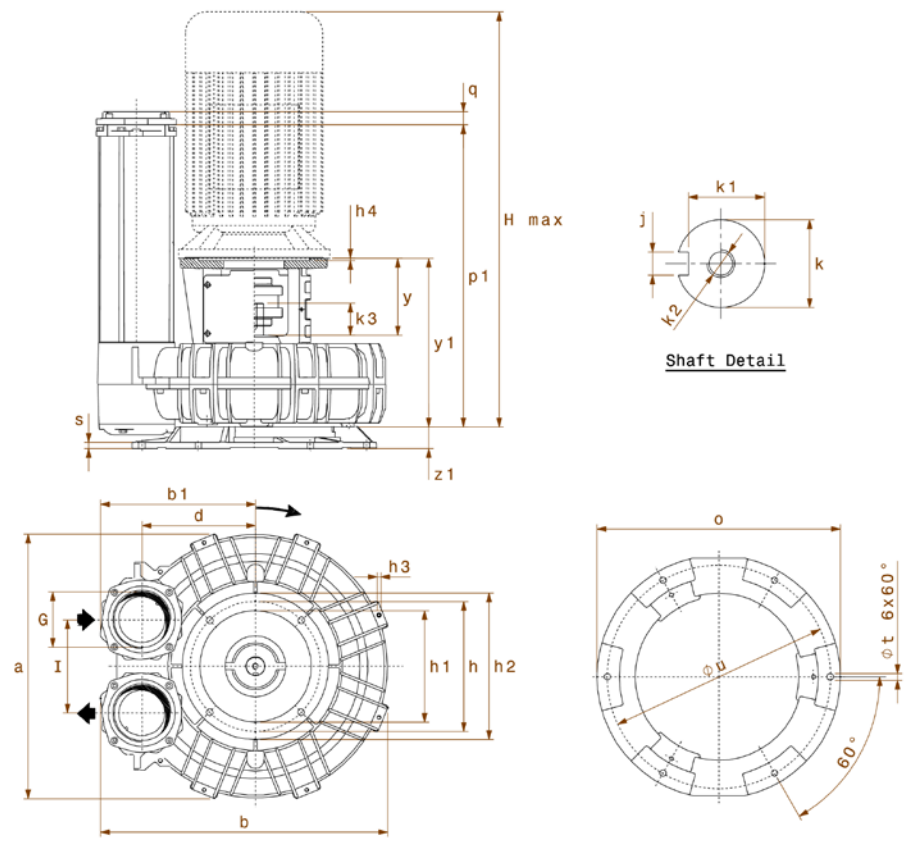
ABSORBED POWER



TEMPERATURE INCREASE

Curves refer to air at 20°C (68°F) temperature, measured at inlet port and 1013 mbar (29.92 In Hg) atmospheric backpressure (abs).  
 Values for flow, power consumption and temperature rise: ± 10% tolerance.  
 Data can change without prior notice.

**DIMENSIONS (K07R-MD/K08R-MD/K09-MD/K10-MD/K11-MD/K12-MD)**

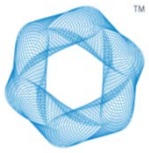


Dimensions in mm - FOR REFERENCE ONLY

Model	E.M.	a	b	b1	d	G	H	h	h1
K07R-MD	100B5	424	474	262	187	G 2"	635	215	180
K07R-MD	112 B5	424	474	262	187	G 2"	635	215	180
K07R-MD	132 B5	424	474	262	187	G 2"	716	265	230
K07R-MD	90B5	424	474	262	187	G 2"	580	165	130
K08R-MD	100B5	457	491	262	187	G 2"	635	215	180
K08R-MD	112 B5	457	491	262	187	G 2"	635	215	180
K08R-MD	132 B5	457	491	262	187	G 2"	716	265	230
K09-MD	132 B5	492	548	302	220	G 4"	755	265	230
K09-MD	160 B5	492	601	355	271	G 4"	895	300	250
K10-MD	132 B5	516	560	302	220	G 4"	755	265	230
K10-MD	132B5/160B5	516	601	355	271	G 4"	895	300	250
K11-MD	132 B5	542	596	325	241	G 4"	760	265	230
K11-MD	132B5/160B5	542	596	325	241	G 4"	760/895	165/300	230
K11-MD	160 B5	542	596	325	241	G 4"	895	300	230
K12-MD	132 B5	548	600	325	241	G 4"	760	265	230
K12-MD	132B5/160B5	548	600	325	241	G 4"	760/898	265/300	230/250
K12-MD	160 B5	548	600	325	241	G 4"	898	300	250

Model	h2	h3	h4	i	j	k	k1	k2	k3
K07R-MD	250	15	5	155	10	38	33	M12	65
K07R-MD	250	15	5	155	10	38	33	M12	65
K07R-MD	300	15	5	155	10	38	33	M12	65
K07R-MD	250	15	5	155	10	38	33	M12	65
K08R-MD	250	15	5	155	10	38	33	M12	65
K08R-MD	250	15	5	155	10	38	33	M12	65
K08R-MD	300	15	5	155	10	38	33	M12	65
K09-MD	300	15	5	182	10	38	33	M12	65
K09-MD	350	19	6	182	10	38	33	M12	65
K10-MD	300	15	5	182	10	38	33	M12	65
K10-MD	350	19	6	182	10	38	33	M12	65
K11-MD	300	15	5	200	10	38	33	M12	65
K11-MD	300/350	15/19	5/6	200	10	38	33	M12	65
K11-MD	350	19	6	200	10	38	33	M12	65
K12-MD	300	15	5	200	10	38	33	M12	65
K12-MD	300/350	15/19	5/6	200	10	38	33	M12	65
K12-MD	350	19	6	200	10	38	33	M12	65

Model	o	p1	q	s	t	u	y	y1	z1
K07R-MD	430	418	18	12	13	400	133	305	45
K07R-MD	430	418	18	12	13	400	133	305	45
K07R-MD	430	418	18	12	13	400	158	330	45
K07R-MD	430	418	18	12	13	400	133	305	45
K08R-MD	430	418	18	12	13	400	133	305	45
K08R-MD	430	418	18	12	13	400	133	305	45
K08R-MD	430	418	18	12	13	400	158	330	45
K09-MD	500	644	25	12	13	460	158	342	45
K09-MD	500	753	25	12	13	460	188	372	45
K10-MD	500	644	25	12	13	460	158	342	45
K10-MD	500	753	25	12	13	460	188	372	45
K11-MD	500	654	25	12	13	460	158	347	45
K11-MD	500	654	25	12	13	460	158/183	347/372	45
K11-MD	500	654	25	12	13	460	183	372	45
K12-MD	500	657	25	12	13	460	158	350	45
K12-MD	500	657	25	12	13	460	158/183	350/375	45
K12-MD	500	657	25	12	13	460	183	375	45



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