

Performance Data Sheet

Name: KRAL R Series (RFI / RFT – Type)

Customer: miscellaneous

	Operating data 1	Operating data 2	Operating data 3
Medium	Heavy Fuel Oil	MDO	Heavy Fuel Oil
Series	R	R	R
Size	210	210	210
Suction pressure	0	0	0 [barg]
Total pressure	8	8	8 [barg]
Diff. pressure	8	8	8 [bar]
Temperature	50	40	120 [°C]
Viscosity	380	2	12 [mm ² /s]
Revolution	1750	1750	1750 [1/min]
Special condition	Standard	Standard	Standard
Capacity*	256.75	206.06	233.94 [l/min]
	15.4	12.36	14.04 [m ³ /h]
Power requirement*	5.62	4.17	4.17 [kW]
Min. suction pressure (abs.)	4.32	5.86	5.71 [mWS]
NPSH required	3.88	2.33	2.48 [mWS]
Noise level pump	64.29	64.29	64.29 [dB(A)]
Noise level pump unit	65.66	65.41	65.41 [dB(A)]
Torque	30.67	22.73	22.73 [Nm]
Efficiency (total)	60.91	65.95	74.87 [%]
Efficiency (volumetric)	97.98	78.63	89.27 [%]
Axial velocity	3.21	3.21	3.21 [m/s]
Moment of inertia	0.0007605	0.0007605	0.0007605 [kgm ²]
Recommended motor	4,8 kW / BG 112 (117.1%)	3,6 kW / BG 100 (115.73%)	3,6 kW / BG 100 (115.73%)

Version 2.9.3.790 - Copyright by KRAL

*Bautoleranzen nach VDMA 24284 - Toleranzgruppe II / *Fabrication tolerances acc. VDMA 24284 - tolerance class II

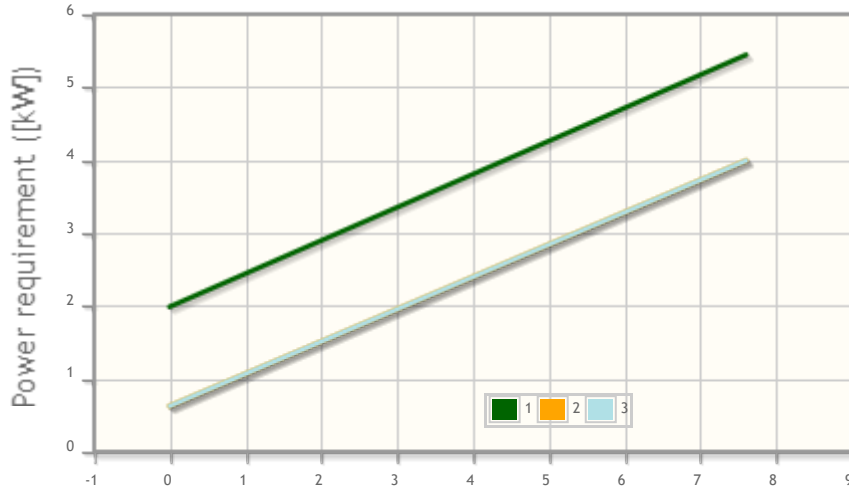
User: natr

KRAL GmbH, Bildgasse 40, Industrie Nord, 6890 Lustenau, Austria, Tel.: +43 / 5577 / 8 66 44-0

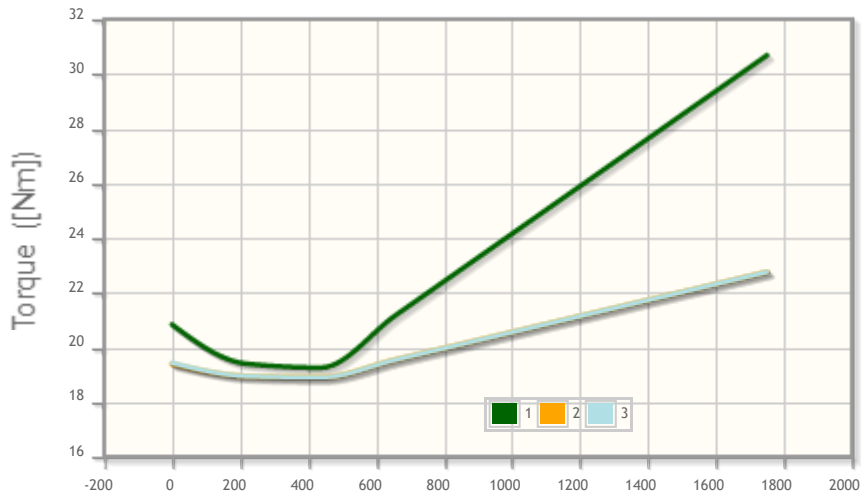
E-Mail: kral@kral.at, UID ATU62065437, LG Feldkirch FN 75759 k

www.kral.at

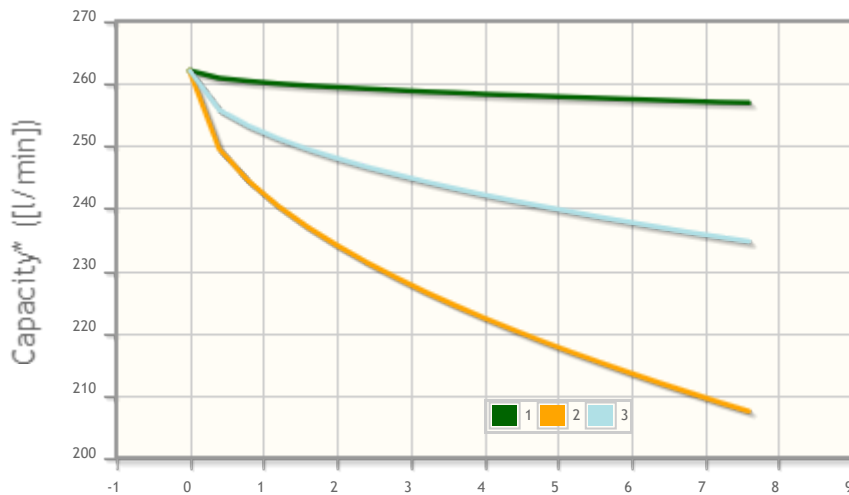
Power required



Starting torque



Capacity



Pressure ([bar])

Version 2.9.3.790 - Copyright by KRAL

*Bautoleranzen nach VDMA 24284 - Toleranzgruppe II / *Fabrication tolerances acc. VDMA 24284 - tolerance class II

User: natr

KRAL GmbH, Bildgasse 40, Industrie Nord, 6890 Lustenau, Austria, Tel.: +43 / 5577 / 8 66 44-0

E-Mail: kral@kral.at, UID ATU62065437, LG Feldkirch FN 75759 k

Performance Data Sheet

Name: KRAL R Series (RFI / RFT – Type)

Customer: miscellaneous

	Operating data 1	Operating data 2	Operating data 3
Medium	Heavy Fuel Oil	MDO	Heavy Fuel Oil
Series	R	R	R
Size	210	210	210
Suction pressure	0	0	0 [barg]
Total pressure	8	8	8 [barg]
Diff. pressure	8	8	8 [bar]
Temperature	50	40	120 [°C]
Viscosity	380	2	12 [mm ² /s]
Revolution	3500	3500	3500 [1/min]
Special condition	Standard	Standard	Standard
Capacity*	518.79	468.1	495.98 [l/min]
	31.13	28.09	29.76 [m ³ /h]
Power requirement*	13	8.89	8.89 [kW]
Min. suction pressure (abs.)	-1.32	3.15	2.75 [mWS]
	<i>Value too low</i>		
NPSH required	9.51	5.04	5.44 [mWS]
Noise level pump	69.19	69.19	69.19 [dB(A)]
Noise level pump unit	77.67	75.24	75.24 [dB(A)]
Torque	35.48	24.25	24.25 [Nm]
Efficiency (total)	53.2	70.21	74.4 [%]
Efficiency (volumetric)	98.99	89.32	94.64 [%]
Axial velocity	6.42	6.42	6.42 [m/s]
Moment of inertia	0.0007605	0.0007605	0.0007605 [kgm ²]
Recommended motor	18 kW / BG 160 (72.24%)	9 kW / BG 132 (98.77%)	9 kW / BG 132 (98.77%)

Version 2.9.3.790 - Copyright by KRAL

*Bautoleranzen nach VDMA 24284 - Toleranzgruppe II / *Fabrication tolerances acc. VDMA 24284 - tolerance class II

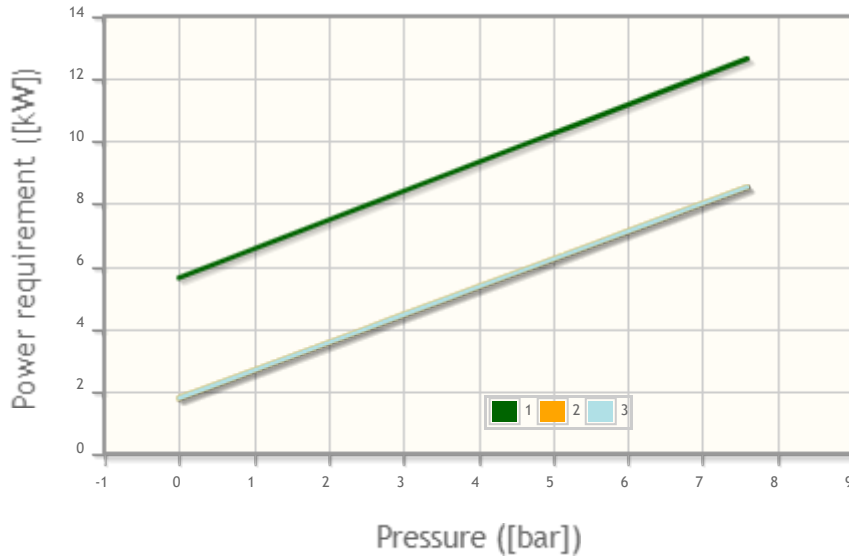
User: natr

KRAL GmbH, Bildgasse 40, Industrie Nord, 6890 Lustenau, Austria, Tel.: +43 / 5577 / 8 66 44-0

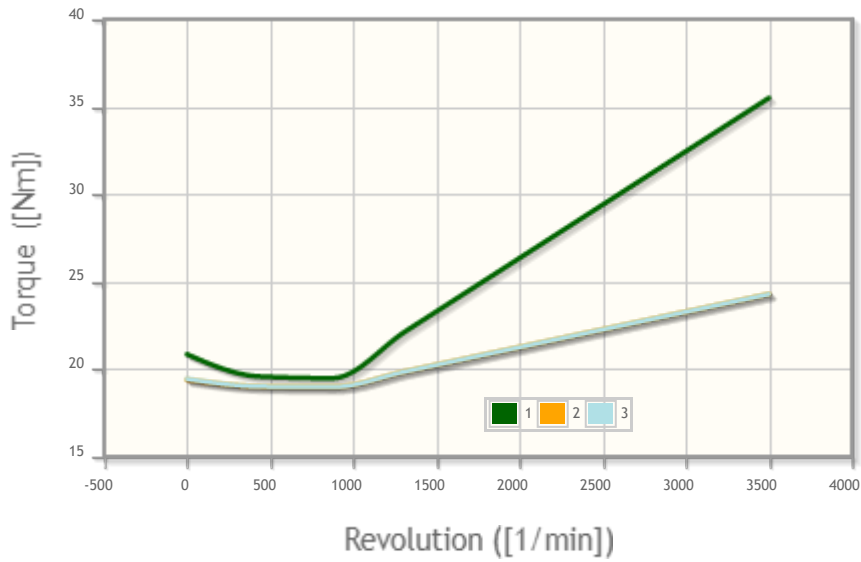
E-Mail: kral@kral.at, UID ATU62065437, LG Feldkirch FN 75759 k

www.kral.at

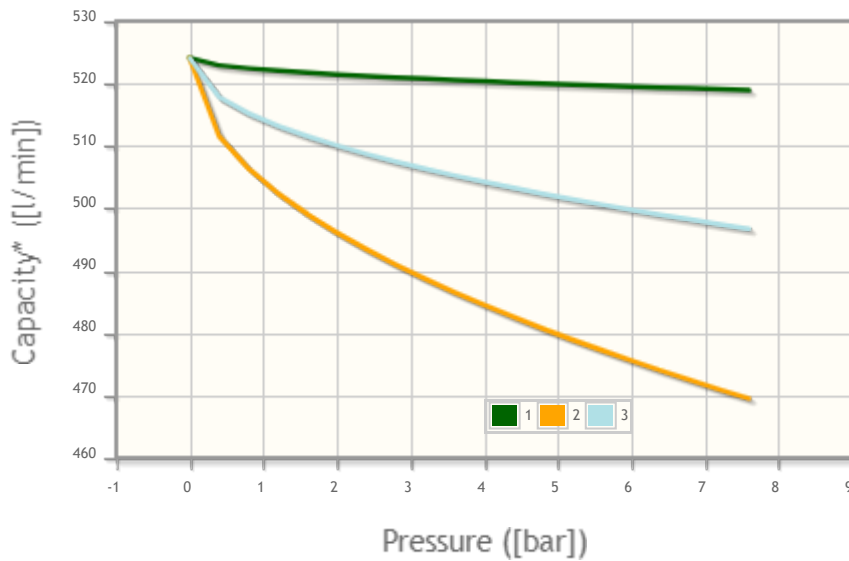
Power required



Starting torque



Capacity



Version 2.9.3.790 - Copyright by KRAL

*Bautoleranzen nach VDMA 24284 - Toleranzgruppe II / *Fabrication tolerances acc. VDMA 24284 - tolerance class II

User: natr

KRAL GmbH, Bildgasse 40, Industrie Nord, 6890 Lustenau, Austria, Tel.: +43 / 5577 / 8 66 44-0

E-Mail: kral@kral.at, UID ATU62065437, LG Feldkirch FN 75759 k

www.kral.at