

GRANIFRIGOR™ – Price List 2009

valid for 400V-3-50Hz

prices for different voltages on request



FrigorTec GmbH Hummelau 1 • D-88279 Amtzell

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GRANIFRIGOR™ Typ



KK 80 AHY
(with HYGROMAT™)



KK 145 AHY
(with HYGROMAT™)



KK 140 Tropic
(with HYGROMAT™
without heating)



KK 180 AHY
(with HYGROMAT™)



KK 280 AHY
(with HYGROMAT™)



KK 280 Tropic
(with HYGROMAT™,
without heating)



KK 400 AHY
(with HYGROMAT™)



KK 400 Tropic
(with HYGROMAT™,
without heating)

	KK 80 AHY (with HYGROMAT™)	KK 145 AHY (with HYGROMAT™)	KK 140 Tropic (with HYGROMAT™ without heating)	KK 180 AHY (with HYGROMAT™)	KK 280 AHY (with HYGROMAT™)	KK 280 Tropic (with HYGROMAT™, without heating)	KK 400 AHY (with HYGROMAT™)	KK 400 Tropic (with HYGROMAT™, without heating)
cooling capacity in 24 hours¹⁾²⁾ (t/ 24h)	65 – 120	130– 170	115 – 195	170 – 325	270 – 450	280 – 470	395 –630	415 – 630
GRANIFRIGOR™ – basic unit price (incl. 4 caster wheels – except KK80AHY)	20.500,-	27.900,-	39.800,-	44.900,-	54.800,-	64.400,-	69.900,-	89.900,-
flexible connection-tube (both ends with quick-lock couplings)	Ø 300 mm, 3000 mm length 300,-	Ø 300 mm, 3000 mm length 300,-	Ø 300 mm, 3000 mm length 300,-	Ø 400 mm 3000 mm length 350,-	Ø 400 mm, 4000 mm length 450,-	Ø 400 mm, 4000 mm length 450,-	Ø 600 mm 5000 mm length 980,-	Ø 600 mm 5000 mm length 980,-
pneumatic tyres (instead of caster wheels)	single axle with draw shaft 780,-	single axle with draw shaft 780,-	single axle with draw shaft 880,-	single axle with draw shaft 880,-	single axle with steering shaft 980,-	single axle with steering shaft 980,-	biaxial with steering shaft 2.970,-	biaxial with steering shaft 2.970,-
spare dust-filter	1 filter mat 50,-	1 filter mat 60,-	1 filter mat 90,-	1 set pocket filter 240,-	1 set pocket filter 200,-	1 set pocket filter 200,-	1 set pocket filter 320,-	1 set pocket filter 320,-
weather protection roof (supply with the unit , not mounted, simple installation at site)	inclusive	inclusive	inclusive	880,-	930,-	inclusive	1.680,-	inclusive
sound isolation for suction filter (mounted above the aspiration filter)	-	-	-	non-relevant	inclusive	inclusive	inclusive	inclusive
metal unit housing	on request	1.980,-	inclusive	2.980,-	3.900,-	inclusive	6.800,-	inclusive
winter or summer thermostat^{*)} (for thermostatic operation shut-off, at too high or too low ambient temperature)	winter & summer therm. inclusive	winter & summer therm. inclusive	summer therm. inclusive	winter & summer therm. inclusive	winter & summer therm. inclusive	summer- thermostat inclusive	300,-	summer- thermostat inclusive
programmable control - DDC	inclusive	inclusive	-	inclusive S7 control	inclusive	inclusive	on request	-
electric heating	inclusive	inclusive	3.600,-	inclusive	inclusive	5.000,-	inclusive	8.400,-
instruction / start-up in Germany	500,-	500,-	500,-	500,-	500,-	500,-	500,-	500,-
condenser broom	35,-	35,-	35,-	35,-	35,-	35,-	35,-	35,-
checkbook for cooling units (as certificate for every maintenance work)	35,-	35,-	35,-	35,-	35,-	35,-	35,-	35,-

Technical modifications are subject to change!

All prices in € (EUR), without VAT., FCA, ex works Amtzell/ Germany. This price list is valid until 31.12.2009 (prices are subject to change).

All prices are non-binding price recommendations in € (EUR) without VAT, which will be charged separately – if applicable.

For technical information please see page two!

*) in the moderate climate zone (Europe), usually the winter thermostat is being used.

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GRANIFRIGOR™	KK 80 AHY with HYGROMAT™	KK 145 AHY with HYGROMAT™	KK 140 Tropic with HYGROMAT™ without heating	KK 180 AHY with HYGROMAT™ & S7 ¹⁾ control	KK 280 AHY with HYGROMAT™	KK 280 Tropic with HYGROMAT™ without heating	KK 400 AHY with HYGROMAT™	KK 400 Tropic with HYGROMAT™ without heating
cooling capacity in 24 hours ^{1) 2)} [t/day]	65 – 120	130 – 170	115 – 195	170 – 325	270 – 450	280 – 470	395 – 630	415 – 630
cold-air volume flow [m ³ /h] at static counter-pressure/unit characteristic curve								
1.000 Pa (ca. 100 mm w.c.)	4.600	7.100	6.500	10.800	14.500	14.500	21.000	21.000
2.000 Pa (ca. 200 mm w.c.)	3.700	6.100	5.600	10.000	11.800	11.800	19.800	19.800
3.000 Pa (ca. 300 mm w.c.)	2.400	5.200	4.600	8.900	10.300	10.300	17.000	17.000
4.000 Pa (ca. 400 mm w.c.)	-	3.700	3.100	7.000	8.400	8.400	15.000	15.000
cooling capacity compressor [kW] at +30°C condensing temperature and at 0°C evaporation temperature	19,6	35	46,9	46,9	78	116	115,2	145
total power consumption (average value) [kW]	9,0	14,0	19,0	19,0	31,0	43	56,0	65,0
total max. power & current consumption [kW/A]	14 / 31 ³⁾	26 / 45 ³⁾	28 / 49	37 / 73 ³⁾	43 / 105 ³⁾	58 / 106	94 / 190 ³⁾	85 / 153
electric connection values ⁴⁾ [A]	32	63	63	125 (63)	125	125	200	200
connection cold-air tube Ø [mm]	300	300	300	400	400	400	600	600
condensate-drain flow [l/h]	9	16	16	24	40	40	53	53
condensate-drain tube Ø [inch]	½	½	½	¾	¾	¾	¾	¾
Dimensions l x w x h [mm] / weight [kgs] (without sound insulation, without roof)								
with pneumatic tyres	3400x1300x1750	3531x1330x2109	4136x1290x2400	3400x1400x1980	4380x1826x2516	4380x1826x2516	3950x1970x2860	4200x2100x3000
“ “ “ / weight [kg]	600	850	1000	1250	1500	1600	2630	2900
with caster wheels [mm]	-	2250x1094x1945	2850x1010x2200	3000x1240x1800	3245x1700x2395	3245x1700x2395	3700x1940x2700	3900x2100x2800
“ “ “ / weight [kg]		820	950	1160	1425	1525	2470	2750

All details are valid for 400 V-3 Ph-50 Hz:

1) grain cooling to 10°C

2) at an average ambient temperature (day median) of 20°C, an average relative air humidity (out-side air) of 52% and an average grain moisture of 16% up to a maximum at favourable conditions and at 1000 Pa counter pressure.

3) inclusive heating

4) according to CEE

Technical modifications are subject to change!

Basic version of all units:

- Cold-air automatic adjustable for manual and automatic regulation of the cold-air temperature.
- HYGROMAT™ – component consisting of the well-known HYGROTHERM™ – postheating fully automatic regulation.
The outlet-temperature will be kept constantly via a separate regulation system.
- The HYGROMAT™ – component is a standard equipment for all unit types.

- Automatic condenser-pressure regulation, operation-hours counter.
- Movable version with 4 caster wheels made of steel or PE.
- Stepless power regulation via an electronic set-value control with PI return, and/ or via a microprocessor or a S7¹⁾ - control
- Test-run in the factory, operation manual, electric connection from the control cabinet at site. TÜV (Technical Inspection Authority) acceptance in the factory.