

2020 Price Guide

# TT & TG Series Turbocor® Compressors

Compressors, Spare Parts, Accessories, and Maintenance Items



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**The information contained within this document is subject to change without notice.**

**Danfoss Turbocor is committed to customer satisfaction by following its Continuous Product Improvement Policy.**

This price guide is effective until **31 December 2020**.

The pricing shown in this price guide represents the list price which is also the maximum recommended sales price to end-users with Turbocor® compressors installed.

All prices shown are in USD and EURO and are Ex-works, Tallahassee. Prices shown in RMB are DDP including VAT. Prices are subject to change at any time.

Prices are for units of one (1) each, unless otherwise specified.

Sales of items in this price guide are valid for established OEMs and Service Partners and not available to the general public. For a list of valid OEMs and Service Partners please visit <http://turbocor.danfoss.com>.



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Compressor Pricing<sup>1</sup>

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Model	R134a	R513A <sup>2</sup>	R1234ze	R515B <sup>3</sup>	List Price USD	List Price EUR	List Price RMB
<b>TGS230</b>			X	X	\$ 26,454	€ 22,050	¥ 201,180
<b>TGS310</b>			X	X	\$ 32,788	€ 27,320	¥ 249,350
<b>TGS390</b>			X	X	\$ 38,098	€ 31,750	¥ 289,740
<b>TGS490</b>			X	X	\$ 40,038	€ 33,370	¥ 304,490
<b>TGS520</b>			X	X	\$ 46,696	€ 38,910	¥ 355,120
<b>TTS300</b>	X	X			\$ 26,454	€ 22,050	¥ 201,180
<b>TTS350</b>	X	X			\$ 32,788	€ 27,320	¥ 249,350
<b>TTS400</b>	X	X			\$ 38,098	€ 31,750	¥ 289,740
<b>TTS700</b>	X	X			\$ 46,696	€ 38,910	¥ 355,120
<b>TTH375</b>	X	X			\$ 35,938	€ 29,950	¥ 273,310
<b>TGH285</b>			X	X	\$ 35,938	€ 29,950	¥ 273,310

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<sup>1</sup> Reference the Pricing Terms and Effectivity

<sup>2</sup> TT Series Compressors are default to R134a but can be configured to use R513A through a software setting with no other adjustments required.

<sup>3</sup> TG Series Compressors are default to R1234ze but can be configured to use R515B through a software setting with no other adjustments required.

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Accessories<sup>4</sup>

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Part Number	Part Description	List Price USD	List Price EUR	List Price RMB
100058-4	KIT – CABLE COMPRESSOR INTERFACE 10M	\$592	€493	¥5,545
100066	KIT – MOUNTING	\$148	€123	¥1,386
100147	KIT – END BELL INSULATION	\$160	€133	¥1,498
100151-1	KIT – SUCTION FLANGE (STEEL)	\$760	€633	¥7,118
100152	KIT – FLANGE DISCHARGE, BRASS, 2-1/8"	\$428	€357	¥4,009
100153-1	KIT – DISCHARGE FLANGE (STEEL)	\$664	€553	¥6,219
100254	KIT - DISCHARGE BRASS FLANGE FOR 2-5/8" COPPER PIPE	\$3,500	€2,917	¥32,781
100377	KIT - COMPACT INVERTER TESTER	\$3,450	€2,875	¥32,313
100378	KIT - SUCTION BRASS FLANGE FOR 3-5/8" COPPER PIPE TT500/TT700	\$946	€788	¥8,860
100402-1	KIT - SUCTION FLANGE BRASS	\$464	€387	¥4,346
100450-1	KIT - ECONOMIZER FLANGE BRASS 1-3/8"	\$532	€443	¥4,982
901453	LINE REACTOR 140A - 10%	\$2,428	€2,023	¥22,741
901666	EMI / EMC FILTER (CE) 185A	\$2,760	€2,300	¥25,850
901832	LINE REACTOR 240A - 5%	\$3,320	€2,767	¥31,095
901866	EMI / EMC FILTER (CE) 322A	\$5,040	€4,200	¥47,205
901974	LINE REACTOR 140A - 5%	\$1,660	€1,383	¥15,547
901975	LINE REACTOR 180A - 5%	\$1,984	€1,653	¥18,582

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<sup>4</sup>Reference the Pricing Terms and Effectivity

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Maintenance Items<sup>5</sup>

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Part Number	Part Description	List Price USD	List Price EUR	List Price RMB
100044-11	KIT - CAPACITOR BANK ASSEMBLY, ADVANCED CAP 11000µF 350/400 VAC 105°C	\$2,000	€1,667	¥18,732
100044-12	KIT - CAPACITOR BANK ASSEMBLY, ADVANCED CAP 8500µF 420 VAC 105°C	\$2,000	€1,667	¥18,732
100044-13	KIT - CAPACITOR BANK ASSEMBLY, ADVANCED CAP 6800µF 500 VAC 105°C	\$2,000	€1,667	¥18,732
100044-6	KIT - ADVANCED CAPACITOR BANK ASSEMBLY 9000µf/380V TT300 G SERIES	\$1,500	€1,250	¥14,049
100044-7	KIT - ADVANCED CAPACITOR BANK ASSEMBLY 6800µf/460V TT300 G SERIES	\$1,500	€1,250	¥14,049
100044-8	KIT - ADVANCED CAPACITOR BANK ASSEMBLY 4700µf/500V TT300 G SERIES	\$1,500	€1,250	¥14,049
100051-1	KIT – 'O' RING IGV ASSEMBLY (NOT FOR USE WITH R22)	\$100	€83	¥937
100052-2	KIT – 'O' RING (SERVICE SIDE SMALL 'O' RINGS) (NOT FOR USE WITH R22)	\$150	€125	¥1,405
100310-1	KIT – 'O' RING IGBT ASSY (NOT FOR USE WITH R22)	\$118	€98	¥1,106
100310-2	KIT O-RINGS FOR IGBT ASSY FOR TT300/TG230	\$118	€98	¥1,106
100315-1	KIT – 'O' RING COVER PLATE (NOT FOR USE WITH R22)	\$54	€45	¥506
100317-1	KIT – FUSES (FIE) SOFT START	\$450	€375	¥4,215
100317-2	KIT – FUSES (FIE) SOFT START	\$432	€360	¥4,046
100329	KIT – O-RING SUCTION, DISCHARGE, ECONOMIZER, COOLING ADAPTOR (NOT FOR USE WITH R22)	\$40	€33	¥375
100344	KIT – FUSE CLASS T-FAST ACTING A6T 175 TT300	\$364	€303	¥3,409
100352	KIT – 'O' RING END CAP ASSEMBLY (NOT FOR USE WITH R22)	\$40	€33	¥375
100373	KIT – COOLING FAN ASSEMBLY	\$150	€125	¥1,405
100421	KIT – FUSE 2A 1000V HVA 3" (FIE)	\$340	€283	¥3,185
100422	KIT – FUSE 2A 1000V SPF	\$300	€250	¥2,810
100430	KIT – FUSE FAST NANO SMF 0.25A 125V (FIE)	\$50	€42	¥468
100432	KIT – FUSE 0.2A 600V MIDGET TIME–DELAY CC (FIE)	\$184	€153	¥1,723
100433	KIT – FUSE SLO NANO SMF 1A 125V (FIE)	\$88	€73	¥824
100555	KIT – 'O' RING SUCTION PORT (NOT FOR USE WITH R22)	\$84	€70	¥786
901982	DIELECTRIC GREASE, 20ML	\$102	€85	¥956

<sup>5</sup>Reference the Pricing Terms and Effectivity



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Spare Parts<sup>6</sup>


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Part Number	Part Description	List Price USD	List Price EUR	List Price RMB
100020-1	KIT – MODULE SOFT START (460V)	\$2,034	€1,695	¥19,050
100020-2	KIT – MODULE SOFT START (575V)	\$2,192	€1,827	¥20,531
100020-3	KIT – MODULE SOFT START (400V)	\$2,336	€1,947	¥21,879
100020-4	KIT – MODULE SOFT START (380V)	\$2,950	€2,458	¥27,630
100021-1	KIT – MODULE BACKPLANE ASSEMBLY	\$1,516	€1,263	¥14,199
100022	KIT – MODULE BEARING PWM	\$2,398	€1,998	¥22,460
100034	KIT – CAVITY TEMPERATURE SENSOR	\$560	€467	¥5,245
100034-1	KIT – CAVITY TEMPERATURE SENSOR TT500/TT700/TG520	\$1,000	€833	¥9,366
100035	KIT – IGV MOTOR SERVICE	\$542	€452	¥5,077
100035-1	KIT – IGV MOTOR SERVICE TG310	\$542	€452	¥5,077
100036-1	KIT – SENSOR PRESSURE/TEMPERATURE SUCTION (NOT FOR USE WITH R22)	\$550	€458	¥5,151
100037-1	KIT – SENSOR PRESSURE/TEMPERATURE DISCHARGE (NOT FOR USE WITH R22)	\$550	€458	¥5,151
100043-11	KIT – INVERTER ASSY SKIIP613	\$8,034	€6,695	¥75,246
100043-13	KIT – INVERTER ASSY SKIIP613 TG230/TT300	\$8,034	€6,695	¥75,246
100043-14	KIT – INVERTER 24KHZ TT300	\$6,512	€5,427	¥60,991
100047-1	KIT – DIODE RECTIFIERS	\$818	€682	¥7,662
100047-2	KIT – DIODE RECTIFIERS	\$1,968	€1,640	¥18,433
100048-1	KIT – TERMINAL POWER BLOCK ASSY	\$210	€175	¥1,967
100048-2	KIT – TERMINAL POWER BLOCK & FUSE ASSY	\$764	€637	¥7,156
100050-15	KIT – IGV DRIVE ASSEMBLY AND ‘O’ RING TT350/TG310	\$4,700	€3,917	¥44,020
100050-16	KIT – IGV DRIVE ASSEMBLY AND ‘O’ RING TT300/TG230	\$4,700	€3,917	¥44,020
100050-17	KIT – IGV DRIVE ASSEMBLY AND ‘O’ RING TT400/TG390	\$4,700	€3,917	¥44,020
100050-18	KIT – IGV DRIVE ASSEMBLY AND ‘O’ RING TT500/TT700/TG520	\$4,700	€3,917	¥44,020
100050-6	KIT – IGV DRIVE ASSEMBLY AND ‘O’ RING TT400-P	\$7,050	€5,875	¥66,030
100053-3	KIT – COVER – CAPACITOR ASSEMBLY (BLACK – MOLDED)	\$350	€292	¥3,278
100053-6	KIT – COVER CAPACITOR ASSY (GREEN)	\$370	€308	¥3,465
100054-3	KIT – COVER TOP ASSEMBLY (BLACK – MOLDED)	\$700	€583	¥6,556
100054-6	KIT – COVER TOP ASSY (GREEN) EN/FR Labels	\$780	€650	¥7,306
100055-3	KIT – COVER SERVICE SIDE ASSEMBLY (BLACK – MOLDED)	\$600	€500	¥5,620
100055-6	KIT – COVER SERVICE SIDE ASSY (GREEN) EN/FR Labels	\$675	€563	¥6,322

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<sup>6</sup> Reference the Pricing Terms and Effectivity



Part Number	Part Description	List Price USD	List Price EUR	List Price RMB
100056-3	KIT – COVER MAINS INPUT ASSEMBLY (BLACK – MOLDED)	\$420	€350	¥3,933
100056-6	KIT – COVER MAINS INPUT ASSY (GREEN) EN/FR Labels	\$460	€383	¥4,308
100058-1	KIT – CABLE COMPRESSOR INTERFACE 5M	\$452	€377	¥4,234
100059	KIT - CABLE HARNESS SOFT START SCR GATE	\$144	€120	¥1,348
100061	KIT – CABLE HARNESS MOTOR DRIVER (INVERTER TO BACKPLANE)	\$190	€158	¥1,780
100063-1	KIT - CABLE HARNESS MOTOR COOLING AND COIL ASSY	\$266	€222	¥2,492
100064	KIT – CABLE HARNESS FRONT BEARING SENSOR	\$106	€88	¥993
100065	KIT – CABLE HARNESS REAR BEARING SENSOR	\$168	€140	¥1,574
100076-1	KIT – PCB ASSEMBLY COMPRESSOR INTERFACE CONNECTOR (FIE)	\$582	€485	¥5,451
100150-10	KIT – COOLING VALVES ASSEMBLY TT400 (380V, 400V, 460V)	\$800	€667	¥7,493
100150-11	KIT – COOLING VALVES ASSEMBLY TT350 (380V)	\$800	€667	¥7,493
100150-6	KIT – COOLING VALVES ASSEMBLY	\$800	€667	¥7,493
100150-8	KIT – COOLING VALVES ASSEMBLY TT300	\$800	€667	¥7,493
100150-9	KIT – COOLING VALVES ASSEMBLY TT350 (400V & 460V) & TT500/TT700	\$800	€667	¥7,493
100169-1	KIT – COMPRESSOR MOTOR COOLING WITH STRAINER	\$160	€133	¥1,498
100186-1	KIT – STRAINER	\$96	€80	¥899
100196-3	KIT – SENSOR ASSY TEMPERATURE MOTOR ROTOR	\$290	€242	¥2,716
100196-4	KIT – SENSOR ASSY TEMPERATURE MOTOR ROTOR	\$290	€242	¥2,716
100215	KIT – COMPRESSOR COOLING STRAINER	\$150	€125	¥1,405
100216	KIT – BRACKET MAINS INPUT PLATE 2.0” DIAMETER	\$86	€72	¥805
100217	KIT – BRACKET MAINS INPUT PLATE 2.5” DIAMETER	\$86	€72	¥805
100218	KIT – BRACKET MAINS INPUT PLATE 3.0” DIAMETER	\$86	€72	¥805
100219	KIT – BRACKET MAINS INPUT PLATE 3.5” DIAMETER	\$86	€72	¥805
100222	KIT – IGV WORM GEAR SHAFT REPAIR	\$898	€748	¥8,411
100223	KIT – IGV HOUSING - TT300-TT400	\$1,984	€1,653	¥18,582
100227	KIT – IGV THROAT - TT300	\$1,296	€1,080	¥12,138
100228	KIT – IGV THROAT - TT350/TG310	\$1,298	€1,082	¥12,157
100229	KIT - IGV HOUSING - TT500A/E, TT700	\$1,984	€1,653	¥18,582
100231	KIT – IGV THROAT - TT400/TG390	\$1,232	€1,027	¥11,538
100232	KIT – IGV THROAT - TT500/TT700/TG520	\$1,558	€1,298	¥14,592
100235	KIT – PLUNGER ASSY, SOLENOID (NOT FOR USE WITH R22)	\$372	€310	¥3,484



Part Number	Part Description	List Price USD	List Price EUR	List Price RMB
100236	KIT – ORIFICE BODY, COOLING 1.3MM	\$152	€127	¥1,424
100237	KIT – ORIFICE BODY, COOLING 1.5MM	\$152	€127	¥1,424
100238	KIT – ORIFICE BODY, COOLING 2.5MM	\$166	€138	¥1,555
100239	KIT – ORIFICE BODY, COOLING 2.0MM	\$184	€153	¥1,723
100240	KIT – ORIFICE BODY, COOLING 1.6MM	\$152	€127	¥1,424
100242	KIT – 'O' RING SOLENOID ORIFICE (NOT FOR USE WITH R22)	\$130	€108	¥1,218
100246	KIT – EXTRACTOR WORM GEAR	\$550	€458	¥5,151
100252	KIT – COVERS SCREW M5 (P/H, STAINLESS STEEL)	\$334	€278	¥3,128
100268	KIT – TEMPERATURE SENSOR SCR	\$324	€270	¥3,035
100292	KIT – MODULE SERIAL DRIVER	\$1,062	€885	¥9,947
100293-1	KIT – HERMETIC FEEDTHROUGH 4 PIN (NOT FOR USE WITH R22)	\$338	€282	¥3,166
100294-1	KIT – HERMETIC FEEDTHROUGH 6 PIN (NOT FOR USE WITH R22)	\$370	€308	¥3,465
100295-1	KIT – HERMETIC FEEDTHROUGH 9 PIN (NOT FOR USE WITH R22)	\$496	€413	¥4,645
100309-5	KIT – HEATSINK COOLING MANIFOLD SCR ASSEMBLY	\$1,150	€958	¥10,771
100309-6	KIT – HEATSINK COOLING MANIFOLD SCR ASSEMBLY	\$984	€820	¥9,216
100311	KIT – TUBE CONNECTION TO INVERTER	\$238	€198	¥2,229
100313	KIT – BUS ASSEMBLY CONNECTION MOTOR INVERTER	\$364	€303	¥3,409
100313-1	KIT – BUS ASSEMBLY CONNECTION MOTOR INVERTER	\$380	€317	¥3,560
100314-2	KIT – COVER PLATE ASSEMBLY (NOT FOR USE WITH R22)	\$380	€317	¥3,560
100316	KIT – BUS BAR DIODE (TT300)	\$162	€135	¥1,517
100321-1	KIT – HERMETIC FEEDTHROUGH IGV 4 PIN (NOT FOR USE WITH R22)	\$320	€267	¥2,997
100322	KIT – CABLE HARNESS COMPRESSOR CONTROLLER	\$488	€407	¥4,571
100323	KIT – CABLE HARNESS DC/DC TO BACKPLANE	\$198	€165	¥1,854
100323-2	KIT – CABLE HARNESS DCDC TO BACKPLANE SS TEMP	\$240	€200	¥2,248
100324-2	KIT – END CAP ASSEMBLY (NOT FOR USE WITH R22)	\$640	€533	¥5,994
100326	KIT – DC BUS TEST HARNESS (FIE)	\$410	€342	¥3,840
100370	KIT – HERMETIC FEEDTHRU 4 PIN	\$444	€370	¥4,158
100371	KIT – REAR BEARING HERMETIC FEEDTHROUGH - 6 PIN	\$532	€443	¥4,982
100372	KIT – MODULE BEARING PWM	\$2,398	€1,998	¥22,460
100374	KIT- REFRIGERANT STICKER R513A	\$30	€25	¥281
100375	KIT - HARMONIC RESISTOR PLUG	\$100	€83	¥937
100379	KIT - DC/DC	\$1,539	€1,283	¥14,414
100380	KIT - CABLE HARNESS - AC/DC - TT300	\$300	€250	¥2,810



Part Number	Part Description	List Price USD	List Price EUR	List Price RMB
100381	KIT - CABLE HARNESS AC/DC - TT350/400/700	\$312	€260	¥2,922
100382	KIT – COVER WARNING LABELS ENG/FRE/CHN	\$926	€772	¥8,674
100383	KIT – HIGH POWER FEED THROUGH EPDM	\$560	€467	¥5,245
100383-1	KIT – HIGH POWER FEED THROUGH R22	\$840	€700	¥7,868
100400	KIT - ECONOMIZER FLANGE BRASS 7/8"	\$296	€247	¥2,772
100416	KIT – INPUT MAINS BUS BARS	\$484	€403	¥4,533
100417	KIT – CAPACITOR IGBT SNUBBER, 0.47Y1000 ALL MODELS	\$216	€180	¥2,023
100518	KIT – INVERTER CONTROL CARD	\$2,500	€2,083	¥23,415
100518-1	KIT – INVERTER CONTROL CARD, TT300/TG230	\$2,500	€2,083	¥23,415
100521	KIT - IGBT ASSEMBLY CONVERSION SEMIKRON 342 TO 613 SERIES	\$8,414	€7,012	¥78,806
201055-XXXXXX <sup>7</sup>	KIT - BEARING MOTOR COMPRESSOR CONTROL	\$2,340	€1,950	¥21,917

<sup>7</sup> Part Number to be used is a combination of the 201055 Bearing Motor Compressor Control Kit (BMCC) and the XXXXXX is replaced with the appropriate software part number, E.g. 201055-183123. Part numbers for compressor software are located in product bulletins.

ENGINEERING TOMORROW

## Quick access to Danfoss TurboCor® compressor **troubleshooting.**

The new version of the **Danfoss TurboTool® 2.0** app for all your full service Danfoss TurboCor® compressor needs.

**Troubleshoot**

**Documents & Video**

**Spare Parts**

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Access to Danfoss TurboCor® compressor troubleshooting on site

The TurboTool® app makes it easy for technicians to troubleshoot issues on Danfoss TurboCor® compressors.

The user can select from a list of symptoms in the app that match the problems exhibited by the compressor being serviced. The app will then list potential causes, solutions to the problem, and service temperature to reference for further information.

The app provides the correct operating parameters for key components; no need to keep reference documents on hand.

With the app, you can access videos made by Danfoss TurboCor® that demonstrate how to remove, install, and rebuild key components on Danfoss TurboCor® compressors.

TurboTool® helps you to quickly identify the required spare parts. A quick scan of the compressor serial # using your smartphone camera or by entering the part # or model #, and the app will display potential spare parts kits.

Download the 2.0 app today!

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A worldwide manufacturer of compressors and condensing units for refrigeration and HVAC applications. With a wide range of high quality and innovative products we help your company to find the best possible energy efficient solution that respects the environment and reduces total life cycle costs.

We have 40 years of experience within the development of hermetic compressors which has brought us amongst the global leaders in our business, and positioned us as distinct variable speed technology specialists. Today we operate from engineering and manufacturing facilities spanning across three continents.



Our products can be found in a variety of applications such as rooftops, chillers, residential air conditioners, heatpumps, coldrooms, supermarkets, milk tank cooling and industrial cooling processes.

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