



TRANE™

Packaged rooftop

TCD/TCH 060-075-100-120-150-200-250
WCC 030-050-WCD/WCH 060-075-100-120-150-200
Cooling capacity 8.8 to 68 kW



T10 CA 014 E

"IMPACT" ROOFTOPS

Model		WCC 030	WCC 050
Power supply			380/415V-50Hz-3Ph.
Cooling capacity (1)	(kW)	8.8	13.7
Compressor power input	(kW)	2.7	4.5
Heating capacity (2)	(kW)	7.9	15.1
Available ESP (3)	(Pa)	120	120
Compressor			
Type		Climatuff™	
Number		1	1
Nominal Amps*	(A)	5.7	9.8
Starting Amps*	(A)	51	71
Refrigerant circuit			
Number		1	1
R22 operating charge/circuit	(kg)	4	5.4
Indoor blower			
Type		Centrifugal	
Number		1	1
Type drive/Number speed		Direct/2	
Fan speed (High)	(rpm)	900	900
Diameter x width	(mm)	255 x 230	280 x 280
Capacity	(kW)	0.25	0.6
F.L Amps*	(A)	1.1	2.1
Nominal air flow	(m³/h)	1700	2850
Outdoor blower			
Type		Propeller	
Number		1	1
Type drive		Direct	
Motor speed	(rpm)	900	900
Diameter	(mm)	460	560
Capacity	(kW)	0.37	0.37
F.L Amps	(A)	1.7	1.7
Airflow	(m³/h)	3470	4800
Electric heater (option)			
Capacity	(kW)	10.5	10.5
Dimensions			
Height	(mm)	745	850
Width	(mm)	915	1145
Depth	(mm)	1405	1635
Net weight	(kg)	170	265

(1) Rating conditions = 26°C DB/19°C WB entering air to indoor coil. 35°C DB air to outdoor coil.

(2) Rating conditions = 20°C DB entering air to indoor coil. 7°C DB entering air to outdoor coil.

(3) At nominal air flow.

* Under 380 V.* Intensité sous 380 V.

Main specifications

Compact with low profile appearance, 030 and 050 Impact units are convertible for downflow and horizontal applications. A superior water integrity is guaranteed thanks to a water shed base pan, an elevated downflow openings and a perimeter channel that prevents water from draining into the ductwork. The base frame, zinc-coated steel cabinet is coated with weather resistant enamel.

Compressor.

High efficiency Climatuff compressor with internal overcurrent, over temperature protection, internal pressure relief and crankcase heater are standard.

Indoor and outdoor coils.

Aluminium plate fins with internally enhanced copper tubing for high efficiency with less coil area.

Outdoor fan.

One, direct drive, statically and dynamically balanced propeller fan is used in a draw-through configuration. Permanently lubricated motor have built in thermal overload protection.

Indoor fan.

Forward curved, centrifugal-fan type with a multiple-speed, direct drive motor.

Motor with built-in thermal overload protection.

All electrical components can be diagnosed and replaced with the removal of a single panel fixed by two screws.

Accessories:

- Adjustable roofcurb.
- Electric heater.
- 25% fresh air hood.
- Speed controller.
- Filter frame + Filters.



**“VOYAGER” ROOFTOPS
COOLING ONLY
TCD - DOWNFLOW
TCH - HORIZONTAL**

Main specifications

Voyager range of rooftop units introduces a micro-processor control providing quality, reliability and performance for WCD/H units (heat pumps) and TCD/H unit (cooling only). The micro-

processor controls the compressors (Short cycle prevention, lubrication assurance) improving compressor life. The number of components is considerably reduced, thereby also the possibilities for component failure. Each section of top overlaps in such a way that water cannot leak into the unit. These overlapped edges are gasketed and sealed to ensure superior water integrity with these units.



Compressor.

Scroll compressors on TCD/H 200 and TCD/H 250.

All compressors have internal overload protection and high pressure relief.

Outdoor and indoor coils.

Aluminium plate fin and internally finned copper tubes.

Outdoor fan

One fan on TCD/H - WCD/H 060 - 075 - 100 and two on other sizes. Direct drive statically and dynamically balanced. Fan motor(s) have built in thermal overload protection.

Indoor fan

Centrifugal fan with belt driven and an adjustable motor sheave.

An idler-arm assembly is fitted for quick-adjustment of fan belts and motor sheaves.

Anti-frost control is mounted in standard for cooling operation and also automatic defrost control for heating operation.

Accessories.

- Adjustable roof curb.
- Economizer.
- Electric heater
- 25% fresh air hood
- Oversized drive (except TCD/H 250)

Options :

- Hot water coil + motorized 3 way valve (TCD 100 -250 - WCD 100-200)
- Smoke detector
- Clogged filter indicator
- Main switch

Model		TC*060	TC*075	TC*100	TC*120	TC*150	TC* 200	TC*250
Power supply		400V - 50 Hz - 3 Ph						
Cooling capacity (1)	(kW)	18.5	22.7	31.5	38.3	45.5	61.8	67.9
Compressor(s) power input	(kW)	5.5	7.1	9.2	11.0	13.4	18.6	19.5
Available ESP (2)	(Pa)	150	150	175	175	200	200	220
Compressor								
Type		Climatuff™	Model H	Climatuff™	Model H	Scroll	Scroll	
Number		1	1	2	2	2	2	2
Nominal Amps/Comp.*	(A)	9.7	12.2	10	10.6	12.7	17.4	17.7
L.R. Amps*	(A)	64	79	71	64	79	95	95
Refrigerant circuit								
Number		1	1	2	2	2	2	2
R22 operating charge/circuit	(kg)	4.2	4.8	3.9	4.4	4.3	6.3	7.7
Indoor blower								
Type		Centrifugal						
Number		1						
Type drive		Variable pulley belt						
Fan speed	(rpm)	850	830	700	690	720	655	815
Diameter x width	(mm)	305x230	305x230	380x280	380x380	380x380	460x460	460x460
Capacity	(kW)	0.62	0.62	1.9	1.9	1.9	3.1	4.6
F.L. Amps*	(A)	3.2	3.2	4.8	4.8	4.8	7.6	11.0
Nominal air flow	(m3/h)	3570	4250	5600	7130	8500	11200	14100
Outdoor blower								
Type		Propeller						
Number		1	1	1	1	2	2	2
Type drive		Direct						
Motor speed	(rpm)	900	900	940	940	920	940	940
Diameter	(mm)	610	610	660	660	660	660	710
Capacity	(kW)	0.31	0.31	0.62	0.62	0.31	0.62	0.62
F.L. Amps/Blower*	(A)	2.4	2.4	3.0	3.0	1.6	3.0	3.0
Airflow	(m3/h)	6900	7700	10900	11000	15300	20900	23600
Dimensions								
Height	(mm)	889	889	1156	1245	1270	1372	1372
Width	(mm)	1260	1260	1260	1608	1799	2154	2154
Depth	(mm)	2215	2215	2215	2395	2726	3107	3107
Net Weight	(kg)	287	313	410	520	622	827	876

(1) Rating conditions : 26°C DB/19° WB entering air to indoor coil, 35°C DB entering air to outdoor coil.

(2) At nominal airflow

* Amps under 380V

**“VOYAGER” ROOFTOPS
REVERSIBLE
WCD - DOWNFLOW
WCH - HORIZONTAL**

Model		WC*060	WC*075	WC*100	WC*120	WC*150	WC*200
Power supply		400V - 50 Hz - 3 Ph					
Cooling capacity (1)	(kW)	19.4	23.0	31.8	36.6	43.6	57.6
Compressor(s) power input	(kW)	5.8	7.0	9.8	11.3	13.5	19.9
Heating capacity (2)	(kW)	15.1	20.5	27.9	29.4	38.7	54.9
Compressor(s) power input	(kW)	4.1	5.3	7.2	8.4	10.6	14.2
Available ESP (3)	(Pa)	150	150	175	175	200	200
Compressor							
Type		Climatuff™	Model H	Climatuff™	Model H	Model H	
Number		1	1	2	2	2	2
Nominal Amps/Comp.*	(A)	9.8	12.1	10.1	10.6	12.7	16.9
L.R. Amps*	(A)	64	79	71	64	79	98
Refrigerant circuit							
Number		1	1	2	2	2	2
R22 operating charge/circuit	(kg)	5.7	6.6	5.0	5.4	5.6	8.2
Indoor blower							
Type		Centrifugal					
Number		1					
Type drive		Variable pulley-belt					
Fan speed	(rpm)	850	830	700	690	720	655
Diameter x width	(mm)	305x230	305x230	380x280	380x380	380x380	460x460
Capacity	(kW)	0.6	0.6	1.2	1.9	1.9	3.1
F.L. Amps*	(A)	3.2	3.2	3.4	4.8	4.8	7.6
Nominal air flow	(m³/h)	3570	4250	5600	7130	8500	11200
Outdoor blower							
Type		Propeller					
Number		1	1	1	2	2	2
Type drive		direct					
Motor speed	(rpm)	810	900	940	925	900	900
Diameter	(mm)	610	610	660	660	710	710
Capacity	(kW)	0.31	0.31	0.62	0.31	0.31	0.62
F.L. Amps/Blower*	(A)	2.4	2.4	3.0	1.6	1.6	3.0
Airflow	(m³/h)	7100	7950	11300	15300	15800	23600
Dimensions							
Height	(mm)	889	889	1245	1270	1270	1372
Width	(mm)	1260	1260	1608	1799	1799	2154
Depth	(mm)	2215	2215	2395	2726	2726	3107
Net weight	(kg)	313	327	520	618	640	877

(1) Rating conditions : 26°C DB/19° WB entering air to indoor coil, 35°C DB entering air to outdoor coil.
(2) Rating conditions : 20°C DB entering air to indoor coil, 7°C DB entering air to outdoor coil.
(3) At nominal airflow
* Amps under 380V



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Supprime et remplace T10 CA 014 E - 0595

Trane reserves the right to alter any information without prior notice.