

Information requirements (air-to-air air conditioners)							
Model(s):DOS80GMVCOMPACT3							
Outdoor side heat exchanger of air conditioner	air						
Indoor side heat exchanger of air conditioner	air						
Type	compressor driven vapour compression						
If applicable: driver of compressor	electric motor						
Item	Symbol	Value	Unit	Item	Symbol	Value	Unit
Rated cooling capacity	$P_{rated,c}$	20.12	kW	Seasonal space cooling energy efficiency	$\eta_{s,c}$	205.9	%
Declared cooling capacity for part load at given outdoor temperatures $T_j$ and indoor $27^{\circ}/19^{\circ}$ °C (dry/wet bulb)				Declared energy efficiency ratio or gas utilisation efficiency/auxiliary energy factor for part load at given outdoor temperatures $T_j$			
$T_j = +35^{\circ}$ °C	$P_{dc}$	20.12	kW	$T_j = +35^{\circ}$ °C	EERd	2.69	-
$T_j = +30^{\circ}$ °C	$P_{dc}$	14.22	kW	$T_j = +30^{\circ}$ °C	EERd	4.24	-
$T_j = +25^{\circ}$ °C	$P_{dc}$	9.09	kW	$T_j = +25^{\circ}$ °C	EERd	6.03	-
$T_j = +20^{\circ}$ °C	$P_{dc}$	4.75	kW	$T_j = +20^{\circ}$ °C	EERd	7.03	-
Degradation co-efficient for air conditioners(*)	$C_{dc}$	0.25	—				-
Power consumption in modes other than 'active mode'							
Off mode	$P_{OFF}$	0.003	kW	Crankcase heater mode	$P_{CK}$	0	kW
Thermostat-off mode	$P_{TO}$	0	kW	Standby mode	$P_{SB}$	0.003	kW
Other items							
Capacity control	variable			For air-to-air air conditioner: air flow rate, outdoor measured	—	8000	$m^3/h$
Sound power level, outdoor	$L_{WA}$	70.0/75.0	dB				
If engine driven: Emissions of nitrogen oxides	$NO_x(**)$	-	mg/kWh fuel input GCV				
GWP of the refrigerant	2088		kg CO <sub>2</sub> eq (100 years)				
<p>(*) If <math>C_{dc}</math> is not determined by measurement then the default degradation coefficient air conditioners shall be 0,25.</p> <p>(**) From 26 September 2018.</p> <p>Where information relates to multi-split air conditioners, the test result and performance data may be obtained on the basis of the performance of the outdoor unit, with a combination of indoor unit(s) recommended by the manufacturer or importer.</p>							

Information requirements (heat pump)							
Model(s):DOS80GMVCOMPACT3							
Outdoor side heat exchanger of heat pump	air						
Indoor side heat exchanger of heat pump	air						
Indication if the heater is equipped with a supplementary heater	no						
If applicable: driver of compressor	electric motor						
Parameters declared for	Average climate condition						
Item	symbol	value	unit	Item	symbol	value	unit
Rated heating capacity	$P_{rated,h}$	22.00	kW	Seasonal space heating energy efficiency	$\eta_{s,h}$	139.1	%
Declared heating capacity for part load at indoor temperature 20 °C and outdoor temperature $T_j$				Declared coefficient of performance or gas utilisation efficiency/auxiliary energy factor for part load at given outdoor temperatures $T_j$			
$T_j = -7$ °C	$P_{dh}$	12.00	kW	$T_j = -7$ °C	$COP_d$	2.38	-
$T_j = +2$ °C	$P_{dh}$	7.05	kW	$T_j = +2$ °C	$COP_d$	3.30	-
$T_j = +7$ °C	$P_{dh}$	4.50	kW	$T_j = +7$ °C	$COP_d$	4.98	-
$T_j = +12$ °C	$P_{dh}$	6.81	kW	$T_j = +12$ °C	$COP_d$	5.95	-
$T_{biv}$ = bivalent temperature	$P_{dh}$	12.00	kW	$T_{biv}$ = bivalent temperature	$COP_d$	2.38	-
$T_{OL}$ = operation limit	$P_{dh}$	13.20	kW	$T_{OL}$ = operation limit	$COP_d$	2.18	-
For air-to-water heat pumps: $T_j = -15$ °C (if $T_{OL} < -20$ °C)	$P_{dh}$	-	kW	For water-to-air heat pumps: $T_j = -15$ °C (if $T_{OL} < -20$ °C)	$COP_d$	-	%
Bivalent temperature	$T_{biv}$	-7	°C	For water-to-air heat pumps: Operation limit temperature	$T_{ol}$	-10	°C
Degradation co-efficient heat pumps(**)	$C_{dh}$	0.25	—				
Power consumption in modes other than 'active mode'				Supplementary heater			
Off mode	$P_{OFF}$	0.003	kW	Back-up heating capacity (*)	$el_{bu}$	0	kW
Thermostat-off mode	$P_{TO}$	0.003	kW	Type of energy input	-		
Crankcase heater mode	$P_{CK}$	0	kW	Standby mode	$P_{SB}$	0.003	kW
Other items							
Capacity control	variable			For air-to-air heat pumps: air flow rate, outdoor measured	—	8000	m <sup>3</sup> /h
Sound power level, indoor/outdoor measured	$L_{WA}$	71.0/79.0	dB				
Emissions of nitrogen oxides (if applicable)	$NO_x(***)$	-	mg/kWh input GCV	For water/brine-to-air heat pumps: Rated brine or water flow rate, outdoor side heat exchanger	—	-	m <sup>3</sup> /h
GWP of the refrigerant	2088		kg CO <sub>2</sub> eq (100 years)				
(*) (**) If $C_{dh}$ is not determined by measurement then the default degradation coefficient of heat pumps shall be 0,25. (***) From 26 September 2018. Where information relates to multi-split heat pumps, the test result and performance data may be obtained on the basis of the performance of the outdoor unit, with a combination of indoor unit(s) recommended by the manufacturer or importer.							