

Subtype DAIKIN ALTHERMA 3 R F 06KW (230L)

Certificate Holder	DAIKIN Europe N.V.
Address	Zandvoordestraat 300
ZIP	B-8400
City	Oostende
Country	BE
Certification Body	DIN CERTCO Gesellschaft für Konformitätsbewertung mbH
Subtype title	DAIKIN ALTHERMA 3 R F 06KW (230L)
Registration number	011-1W0220
Heat Pump Type	Outdoor Air/Water
Refrigerant	R32
Mass of Refrigerant	1.5 kg
Certification Date	22.11.2017
Testing basis	HP KEYMARK certification scheme rules rev. 14
Testing laboratory	Danish Technological Institute (DTI), DK

Model ERGA06EVH / EHVH08S23E(6V/9W)

Model name	ERGA06EVH / EHVH08S23E(6V/9W)
Application	Heating + DHW + low temp
Units	Indoor, Outdoor
Climate zone (for heating)	n/a
Cooling mode application (optional)	n/a
Any additional heat sources	n/a

General data

Power supply	1x230V 50Hz
Off-peak product	n/a

Outdoor Air/Water**EN 16147 | Average Climate**

Declared load profile	XL
Efficiency η_{DHW}	133 %
COP	3.30
Heating up time	1:47 h:min
Standby power input	28.0 W
Reference hot water temperature	52.5 °C
Mixed water at 40°C	288 l

EN 14511-4 | Heating

Shutting off the heat transfer medium flow passed

Complete power supply failure	passed
Defrost test	passed
Starting and operating test	passed

EN 14511-2 | Heating

	Low temperature	Medium temperature
Heat output	6.00 kW	5.80 kW
El input	1.24 kW	2.15 kW
COP	4.85	2.70

EN 14511-2 | Cooling

	+7°C/+12°C	+18°C/+23°C
El input	1.55 kW	
Cooling capacity	5.09	
EER	3.28	

EN 12102-1 | Average Climate

	Low temperature	Medium temperature
Sound power level indoor	42 dB(A)	42 dB(A)

Sound power level outdoor	60 dB(A)	60 dB(A)
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EN 14825 | Average Climate

	Low temperature	Medium temperature
η_s	176 %	127 %
P _{rated}	7.0 kW	7.0 kW
SCOP	4.47	3.26
T _{biv}	-6 °C	-6 °C
TOL	-10 °C	-10 °C
P _{dh Tj = -7°C}	6.0 kW	5.9 kW
COP T _{j = -7°C}	2.86	1.98
C _{dh Tj = -7 °C}	1.0	
P _{dh Tj = +2°C}	3.9 kW	3.9 kW
COP T _{j = +2°C}	4.25	3.16
C _{dh Tj = +2 °C}	1.0	1.0
P _{dh Tj = +7°C}	3.2 kW	3.0 kW
COP T _{j = +7°C}	6.30	4.49
C _{dh Tj = +7 °C}	1.0	1.0
P _{dh Tj = 12°C}	3.3 kW	3.3 kW
COP T _{j = 12°C}	7.78	6.10
C _{dh Tj = +12 °C}	1.0	1.0
P _{dh Tj = T_{biv}}	6.1 kW	6.1 kW
COP T _{j = T_{biv}}	3.07	2.12
P _{dh Tj = TOL or P_{dh Tj = T_{designh}} if TOL < T_{designh}}	6.0 kW	5.4 kW
COP T _{j = TOL or COP T_{j = T_{designh}} if TOL < T_{designh}}	2.49	1.53
C _{dh Tj = TOL or P_{dh Tj = T_{designh}} if TOL < T_{designh}}	1.00	1.00
WTOL	35 °C	55 °C
P _{off}	10 W	10 W
PTO	10 W	10 W
PSB	10 W	10 W
PCK	0 W	0 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	1.0 kW	1.6 kW
Annual energy consumption Q _{he}	3233 kWh	4441 kWh

EN 14825 | Cooling

	+7°C/+12°C	+18°C/+23°C
P _{designc}	5.10 kW	
SEER	5.73	
P _{dc Tj = 35°C}	5.09 kW	
EER T _{j = 35°C}	3.28	
P _{dc Tj = 30°C}	3.75 kW	
EER T _{j = 30°C}	4.93	

Cdc Tj = 30 °C	1.0
Pdc Tj = 25°C	2.47 kW
EER Tj = 25°C	6.86
Cdc Tj = 25 °C	1.0
Pdc Tj = 20°C	2.52 kW
EER Tj = 20°C	8.36
Cdc Tj = 20 °C	1.0
Poff	10 W
PTO	10 W
PSB	10 W
PCK	0 W
Annual energy consumption Qce	533 kWh

Model ERGA06EVH / EHVH08SU23E6V

Model name	ERGA06EVH / EHVH08SU23E6V
Application	Heating + DHW + low temp
Units	Indoor, Outdoor
Climate zone (for heating)	n/a
Cooling mode application (optional)	n/a
Any additional heat sources	n/a

General data

Power supply	1x230V 50Hz
Off-peak product	n/a

Outdoor Air/Water**EN 16147 | Average Climate**

Declared load profile	XL
Efficiency η_{DHW}	133 %
COP	3.30
Heating up time	1:47 h:min
Standby power input	28.0 W
Reference hot water temperature	52.5 °C
Mixed water at 40°C	288 l

EN 14511-4 | Heating

Shutting off the heat transfer medium flow passed

Complete power supply failure	passed
Defrost test	passed
Starting and operating test	passed

EN 14511-2 | Heating

	Low temperature	Medium temperature
Heat output	6.00 kW	5.80 kW
El input	1.24 kW	2.15 kW
COP	4.85	2.70

EN 14511-2 | Cooling

	+7°C/+12°C	+18°C/+23°C
El input	1.55 kW	
Cooling capacity	5.09	
EER	3.28	

EN 12102-1 | Average Climate

	Low temperature	Medium temperature
Sound power level indoor	42 dB(A)	42 dB(A)

Sound power level outdoor	60 dB(A)	60 dB(A)
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EN 14825 | Average Climate

	Low temperature	Medium temperature
η_s	176 %	127 %
P _{rated}	7.0 kW	7.0 kW
SCOP	4.47	3.26
T _{biv}	-6 °C	-6 °C
TOL	-10 °C	-10 °C
P _{dh} T _j = -7°C	6.0 kW	5.9 kW
COP T _j = -7°C	2.86	1.98
C _{dh} T _j = -7 °C	1.0	
P _{dh} T _j = +2°C	3.9 kW	3.9 kW
COP T _j = +2°C	4.25	3.16
C _{dh} T _j = +2 °C	1.0	1.0
P _{dh} T _j = +7°C	3.2 kW	3.0 kW
COP T _j = +7°C	6.30	4.49
C _{dh} T _j = +7 °C	1.0	1.0
P _{dh} T _j = 12°C	3.3 kW	3.3 kW
COP T _j = 12°C	7.78	6.10
C _{dh} T _j = +12 °C	1.0	1.0
P _{dh} T _j = T _{biv}	6.1 kW	6.1 kW
COP T _j = T _{biv}	3.07	2.12
P _{dh} T _j = TOL or P _{dh} T _j = T _{designh} if TOL < T _{designh}	6.0 kW	5.4 kW
COP T _j = TOL or COP T _j = T _{designh} if TOL < T _{designh}	2.49	1.53
C _{dh} T _j = TOL or P _{dh} T _j = T _{designh} if TOL < T _{designh}	1.00	1.00
WTOL	35 °C	55 °C
P _{off}	10 W	10 W
PTO	10 W	10 W
PSB	10 W	10 W
PCK	0 W	0 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	1.0 kW	1.6 kW
Annual energy consumption Q _{he}	3233 kWh	4441 kWh

EN 14825 | Cooling

	+7°C/+12°C	+18°C/+23°C
P _{designc}	5.10 kW	
SEER	5.73	
P _{dc} T _j = 35°C	5.09 kW	
EER T _j = 35°C	3.28	
P _{dc} T _j = 30°C	3.75 kW	
EER T _j = 30°C	4.93	

Cdc Tj = 30 °C	1.0
Pdc Tj = 25°C	2.47 kW
EER Tj = 25°C	6.86
Cdc Tj = 25 °C	1.0
Pdc Tj = 20°C	2.52 kW
EER Tj = 20°C	8.36
Cdc Tj = 20 °C	1.0
Poff	10 W
PTO	10 W
PSB	10 W
PCK	0 W
Annual energy consumption Qce	533 kWh

Model ERGA06EVH / EHVX08S23E(6V/9W)

Model name	ERGA06EVH / EHVX08S23E(6V/9W)
Application	Heating + DHW + low temp
Units	Indoor, Outdoor
Climate zone (for heating)	n/a
Reversibility	Yes
Cooling mode application (optional)	+7°C/12°C
Any additional heat sources	n/a

General data

Power supply	1x230V 50Hz
Off-peak product	n/a

Outdoor Air/Water**EN 16147 | Average Climate**

Declared load profile	XL
Efficiency η_{DHW}	133 %
COP	3.30
Heating up time	1:47 h:min
Standby power input	28.0 W
Reference hot water temperature	52.5 °C
Mixed water at 40°C	288 l

EN 14511-4 | Heating

Shutting off the heat transfer medium flow	passed
Complete power supply failure	passed
Defrost test	passed
Starting and operating test	passed

EN 14511-2 | Heating

	Low temperature	Medium temperature
Heat output	6.00 kW	5.80 kW
El input	1.24 kW	2.15 kW
COP	4.85	2.70

EN 14511-2 | Cooling

	+7°C/+12°C	+18°C/+23°C
El input	1.55 kW	
Cooling capacity	5.09	
EER	3.28	

EN 12102-1 | Average Climate

	Low temperature	Medium temperature
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Sound power level indoor	42 dB(A)	42 dB(A)
Sound power level outdoor	60 dB(A)	60 dB(A)

EN 14825 | Average Climate

	Low temperature	Medium temperature
η_s	178 %	128 %
P _{rated}	7.0 kW	7.0 kW
SCOP	4.52	3.28
T _{biv}	-6 °C	-6 °C
T _{OL}	-10 °C	-10 °C
P _{dh T_j} = -7°C	6.0 kW	5.9 kW
COP T _j = -7°C	2.86	1.98
C _{dh T_j} = -7 °C	1.0	
P _{dh T_j} = +2°C	3.9 kW	3.9 kW
COP T _j = +2°C	4.25	3.16
C _{dh T_j} = +2 °C	1.0	1.0
P _{dh T_j} = +7°C	3.2 kW	3.0 kW
COP T _j = +7°C	6.30	4.49
C _{dh T_j} = +7 °C	1.0	1.0
P _{dh T_j} = 12°C	3.3 kW	3.3 kW
COP T _j = 12°C	7.78	6.10
C _{dh T_j} = +12 °C	1.0	1.0
P _{dh T_j} = T _{biv}	6.1 kW	6.1 kW
COP T _j = T _{biv}	3.07	2.12
P _{dh T_j} = T _{OL} or P _{dh T_j} = T _{designh} if T _{OL} < T _{designh}	6.0 kW	5.4 kW
COP T _j = T _{OL} or COP T _j = T _{designh} if T _{OL} < T _{designh}	2.49	1.53
C _{dh T_j} = T _{OL} or P _{dh T_j} = T _{designh} if T _{OL} < T _{designh}	1.00	1.00
WTOL	35 °C	55 °C
P _{off}	10 W	10 W
PTO	10 W	10 W
PSB	10 W	10 W
PCK	0 W	0 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	1.0 kW	1.6 kW
Annual energy consumption Q _{he}	3196 kWh	4405 kWh

EN 14825 | Cooling

	+7°C/+12°C	+18°C/+23°C
P _{designc}	5.10 kW	
SEER	5.73	
P _{dc T_j} = 35°C	5.09 kW	
EER T _j = 35°C	3.28	
P _{dc T_j} = 30°C	3.75 kW	

EER Tj = 30°C	4.93
Cdc Tj = 30 °C	1.0
Pdc Tj = 25°C	2.47 kW
EER Tj = 25°C	6.86
Cdc Tj = 25 °C	1.0
Pdc Tj = 20°C	2.52 kW
EER Tj = 20°C	8.36
Cdc Tj = 20 °C	1.0
Poff	10 W
PTO	10 W
PSB	10 W
PCK	0 W
Annual energy consumption Qce	533 kWh

Model ERGA06EVH / EHVZ08S23E(6V/9W)

Model name	ERGA06EVH / EHVZ08S23E(6V/9W)
Application	Heating + DHW + low temp
Units	Indoor, Outdoor
Climate zone (for heating)	n/a
Cooling mode application (optional)	n/a
Any additional heat sources	n/a

General data

Power supply	1x230V 50Hz
Off-peak product	n/a

Outdoor Air/Water**EN 16147 | Average Climate**

Declared load profile	XL
Efficiency η_{DHW}	133 %
COP	3.30
Heating up time	1:47 h:min
Standby power input	28.0 W
Reference hot water temperature	52.5 °C
Mixed water at 40°C	288 l

EN 14511-4 | Heating

Shutting off the heat transfer medium flow passed

Complete power supply failure	passed
Defrost test	passed
Starting and operating test	passed

EN 14511-2 | Heating

	Low temperature	Medium temperature
Heat output	6.00 kW	5.80 kW
El input	1.24 kW	2.15 kW
COP	4.85	2.70

EN 14511-2 | Cooling

	+7°C/+12°C	+18°C/+23°C
El input	1.55 kW	
Cooling capacity	5.09	
EER	3.28	

EN 12102-1 | Average Climate

	Low temperature	Medium temperature
Sound power level indoor	42 dB(A)	42 dB(A)

Sound power level outdoor	60 dB(A)	60 dB(A)
EN 14825 Average Climate		
	Low temperature	Medium temperature
ηs	176 %	127 %
Prated	7.0 kW	7.0 kW
SCOP	4.47	3.26
Tbiv	-6 °C	-6 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	6.0 kW	5.9 kW
COP Tj = -7°C	2.86	1.98
Cdh Tj = -7 °C	1.0	
Pdh Tj = +2°C	3.9 kW	3.9 kW
COP Tj = +2°C	4.25	3.16
Cdh Tj = +2 °C	1.0	1.0
Pdh Tj = +7°C	3.2 kW	3.0 kW
COP Tj = +7°C	6.30	4.49
Cdh Tj = +7 °C	1.0	1.0
Pdh Tj = 12°C	3.3 kW	3.3 kW
COP Tj = 12°C	7.78	6.10
Cdh Tj = +12 °C	1.0	1.0
Pdh Tj = Tbiv	6.1 kW	6.1 kW
COP Tj = Tbiv	3.07	2.12
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	6.0 kW	5.4 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.49	1.53
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	1.00	1.00
WTOL	35 °C	55 °C
Poff	10 W	10 W
PTO	10 W	10 W
PSB	10 W	10 W
PCK	0 W	0 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	1.0 kW	1.6 kW
Annual energy consumption Qhe	3233 kWh	4441 kWh
EN 14825 Cooling		
	+7°C/+12°C	+18°C/+23°C
Pdesignc	5.10 kW	
SEER	5.73	
Pdc Tj = 35°C	5.09 kW	
EER Tj = 35°C	3.28	
Pdc Tj = 30°C	3.75 kW	
EER Tj = 30°C	4.93	

Cdc Tj = 30 °C	1.0
Pdc Tj = 25°C	2.47 kW
EER Tj = 25°C	6.86
Cdc Tj = 25 °C	1.0
Pdc Tj = 20°C	2.52 kW
EER Tj = 20°C	8.36
Cdc Tj = 20 °C	1.0
Poff	10 W
PTO	10 W
PSB	10 W
PCK	0 W
Annual energy consumption Qce	533 kWh

Model ERGA06EVH / EHVH08S23E(6V/9W) + cooling kit

Model name	ERGA06EVH / EHVH08S23E(6V/9W) + cooling kit
Application	Heating + DHW + low temp
Units	Indoor, Outdoor
Climate zone (for heating)	n/a
Reversibility	Yes
Cooling mode application (optional)	+7°C/12°C
Any additional heat sources	n/a

General data

Power supply	1x230V 50Hz
Off-peak product	n/a

Outdoor Air/Water**EN 16147 | Average Climate**

Declared load profile	XL
Efficiency ηDHW	133 %
COP	3.30
Heating up time	1:47 h:min
Standby power input	28.0 W
Reference hot water temperature	52.5 °C
Mixed water at 40°C	288 l

EN 14511-4 | Heating

Shutting off the heat transfer medium flow	passed
Complete power supply failure	passed
Defrost test	passed
Starting and operating test	passed

EN 14511-2 | Heating

	Low temperature	Medium temperature
Heat output	6.00 kW	5.80 kW
El input	1.24 kW	2.15 kW
COP	4.85	2.70

EN 14511-2 | Cooling

	+7°C/+12°C	+18°C/+23°C
El input	1.55 kW	
Cooling capacity	5.09	
EER	3.28	

EN 12102-1 | Average Climate

	Low temperature	Medium temperature
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Sound power level indoor	42 dB(A)	42 dB(A)
Sound power level outdoor	60 dB(A)	60 dB(A)

EN 14825 | Average Climate

	Low temperature	Medium temperature
η_s	178 %	128 %
P _{rated}	7.0 kW	7.0 kW
SCOP	4.52	3.28
T _{biv}	-6 °C	-6 °C
T _{OL}	-10 °C	-10 °C
P _{dh T_j} = -7°C	6.0 kW	5.9 kW
COP T _j = -7°C	2.86	1.98
C _{dh T_j} = -7 °C	1.0	
P _{dh T_j} = +2°C	3.9 kW	3.9 kW
COP T _j = +2°C	4.25	3.16
C _{dh T_j} = +2 °C	1.0	1.0
P _{dh T_j} = +7°C	3.2 kW	3.0 kW
COP T _j = +7°C	6.30	4.49
C _{dh T_j} = +7 °C	1.0	1.0
P _{dh T_j} = 12°C	3.3 kW	3.3 kW
COP T _j = 12°C	7.78	6.10
C _{dh T_j} = +12 °C	1.0	1.0
P _{dh T_j} = T _{biv}	6.1 kW	6.1 kW
COP T _j = T _{biv}	3.07	2.12
P _{dh T_j} = T _{OL} or P _{dh T_j} = T _{designh} if T _{OL} < T _{designh}	6.0 kW	5.4 kW
COP T _j = T _{OL} or COP T _j = T _{designh} if T _{OL} < T _{designh}	2.49	1.53
C _{dh T_j} = T _{OL} or P _{dh T_j} = T _{designh} if T _{OL} < T _{designh}	1.00	1.00
WTOL	35 °C	55 °C
P _{off}	10 W	10 W
PTO	10 W	10 W
PSB	10 W	10 W
PCK	0 W	0 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	1.0 kW	1.6 kW
Annual energy consumption Q _{he}	3196 kWh	4405 kWh

EN 14825 | Cooling

	+7°C/+12°C	+18°C/+23°C
P _{designc}	5.10 kW	
SEER	5.73	
P _{dc T_j} = 35°C	5.09 kW	
EER T _j = 35°C	3.28	
P _{dc T_j} = 30°C	3.75 kW	

EER Tj = 30°C	4.93
Cdc Tj = 30 °C	1.0
Pdc Tj = 25°C	2.47 kW
EER Tj = 25°C	6.86
Cdc Tj = 25 °C	1.0
Pdc Tj = 20°C	2.52 kW
EER Tj = 20°C	8.36
Cdc Tj = 20 °C	1.0
Poff	10 W
PTO	10 W
PSB	10 W
PCK	0 W
Annual energy consumption Qce	533 kWh

Model ERGA06EVH / EHVZ08S23E(6V/9W) + cooling kit

Model name	ERGA06EVH / EHVZ08S23E(6V/9W) + cooling kit
Application	Heating + DHW + low temp
Units	Indoor, Outdoor
Climate zone (for heating)	n/a
Reversibility	Yes
Cooling mode application (optional)	+7°C/12°C
Any additional heat sources	n/a

General data

Power supply	1x230V 50Hz
Off-peak product	n/a

Outdoor Air/Water
EN 16147 | Average Climate

Declared load profile	XL
Efficiency η_{DHW}	133 %
COP	3.30
Heating up time	1:47 h:min
Standby power input	28.0 W
Reference hot water temperature	52.5 °C
Mixed water at 40°C	288 l

EN 14511-4 | Heating

Shutting off the heat transfer medium flow	passed
Complete power supply failure	passed
Defrost test	passed
Starting and operating test	passed

EN 14511-2 | Heating

	Low temperature	Medium temperature
Heat output	6.00 kW	5.80 kW
El input	1.24 kW	2.15 kW
COP	4.85	2.70

EN 14511-2 | Cooling

	+7°C/+12°C	+18°C/+23°C
El input	1.55 kW	
Cooling capacity	5.09	
EER	3.28	

EN 12102-1 | Average Climate

	Low temperature	Medium temperature
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Sound power level indoor	42 dB(A)	42 dB(A)
Sound power level outdoor	60 dB(A)	60 dB(A)

EN 14825 | Average Climate

	Low temperature	Medium temperature
η_s	178 %	128 %
P _{rated}	7.0 kW	7.0 kW
SCOP	4.52	3.28
T _{biv}	-6 °C	-6 °C
T _{OL}	-10 °C	-10 °C
P _{dh T_j} = -7°C	6.0 kW	5.9 kW
COP T _j = -7°C	2.86	1.98
C _{dh T_j} = -7 °C	1.0	
P _{dh T_j} = +2°C	3.9 kW	3.9 kW
COP T _j = +2°C	4.25	3.16
C _{dh T_j} = +2 °C	1.0	1.0
P _{dh T_j} = +7°C	3.2 kW	3.0 kW
COP T _j = +7°C	6.30	4.49
C _{dh T_j} = +7 °C	1.0	1.0
P _{dh T_j} = 12°C	3.3 kW	3.3 kW
COP T _j = 12°C	7.78	6.10
C _{dh T_j} = +12 °C	1.0	1.0
P _{dh T_j} = T _{biv}	6.1 kW	6.1 kW
COP T _j = T _{biv}	3.07	2.12
P _{dh T_j} = T _{OL} or P _{dh T_j} = T _{designh} if T _{OL} < T _{designh}	6.0 kW	5.4 kW
COP T _j = T _{OL} or COP T _j = T _{designh} if T _{OL} < T _{designh}	2.49	1.53
C _{dh T_j} = T _{OL} or P _{dh T_j} = T _{designh} if T _{OL} < T _{designh}	1.00	1.00
WTOL	35 °C	55 °C
P _{off}	10 W	10 W
PTO	10 W	10 W
PSB	10 W	10 W
PCK	0 W	0 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	1.0 kW	1.6 kW
Annual energy consumption Q _{he}	3196 kWh	4405 kWh

EN 14825 | Cooling

	+7°C/+12°C	+18°C/+23°C
P _{designc}	5.10 kW	
SEER	5.73	
P _{dc T_j} = 35°C	5.09 kW	
EER T _j = 35°C	3.28	
P _{dc T_j} = 30°C	3.75 kW	

EER Tj = 30°C	4.93
Cdc Tj = 30 °C	1.0
Pdc Tj = 25°C	2.47 kW
EER Tj = 25°C	6.86
Cdc Tj = 25 °C	1.0
Pdc Tj = 20°C	2.52 kW
EER Tj = 20°C	8.36
Cdc Tj = 20 °C	1.0
Poff	10 W
PTO	10 W
PSB	10 W
PCK	0 W
Annual energy consumption Qce	533 kWh